

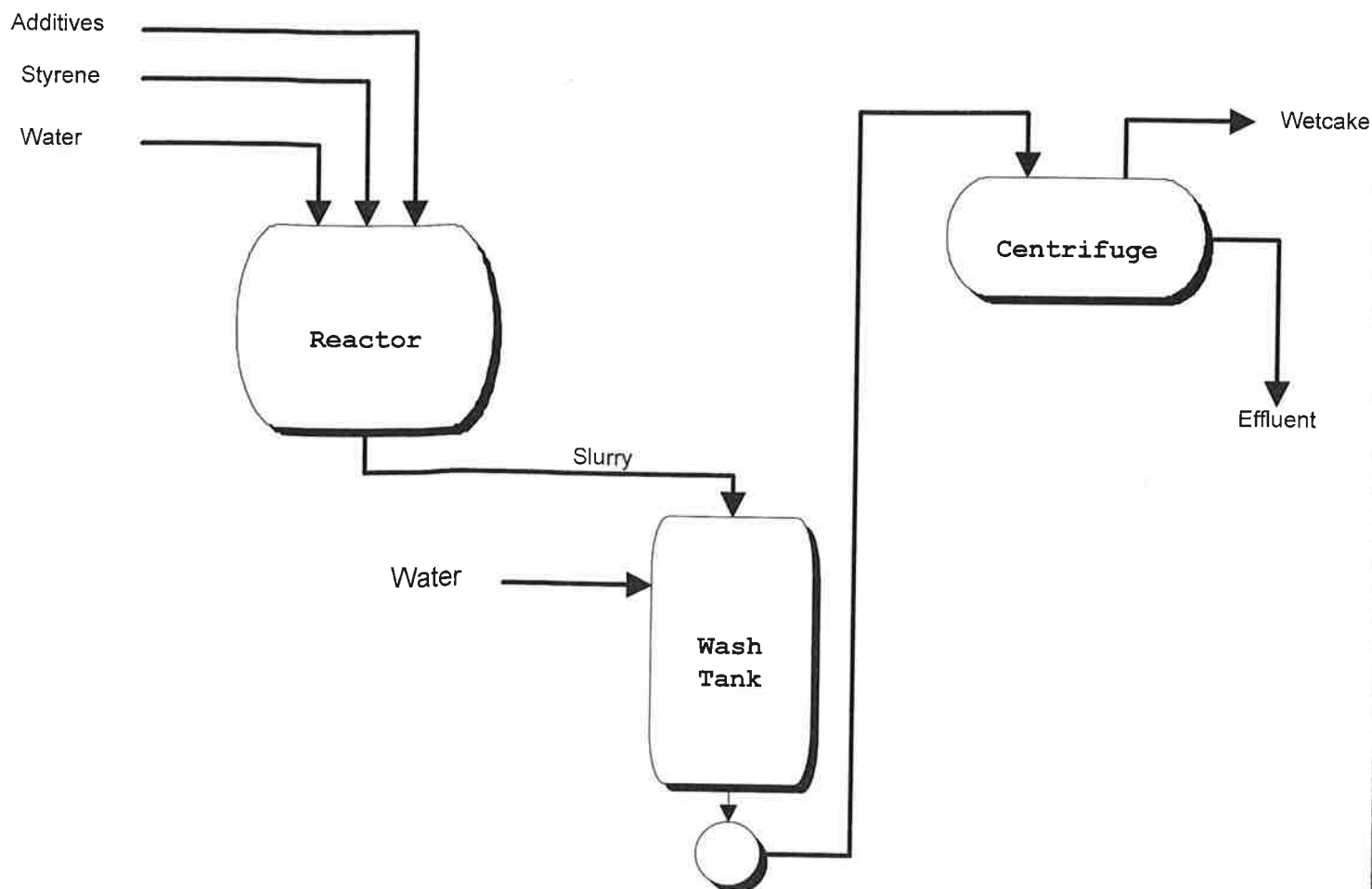
**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
FACILITY INSPECTION PROGRAM**

**Wheeling Operations Office
1060 Chapline Street
Wheeling, West Virginia 26003-2995
(304) 234-0263**

Nova Chemicals Inc.
400 Frankfort Road
Monaca, Pennsylvania 15061-2298

Attachment # 1 of 13

Dylite Polymerization



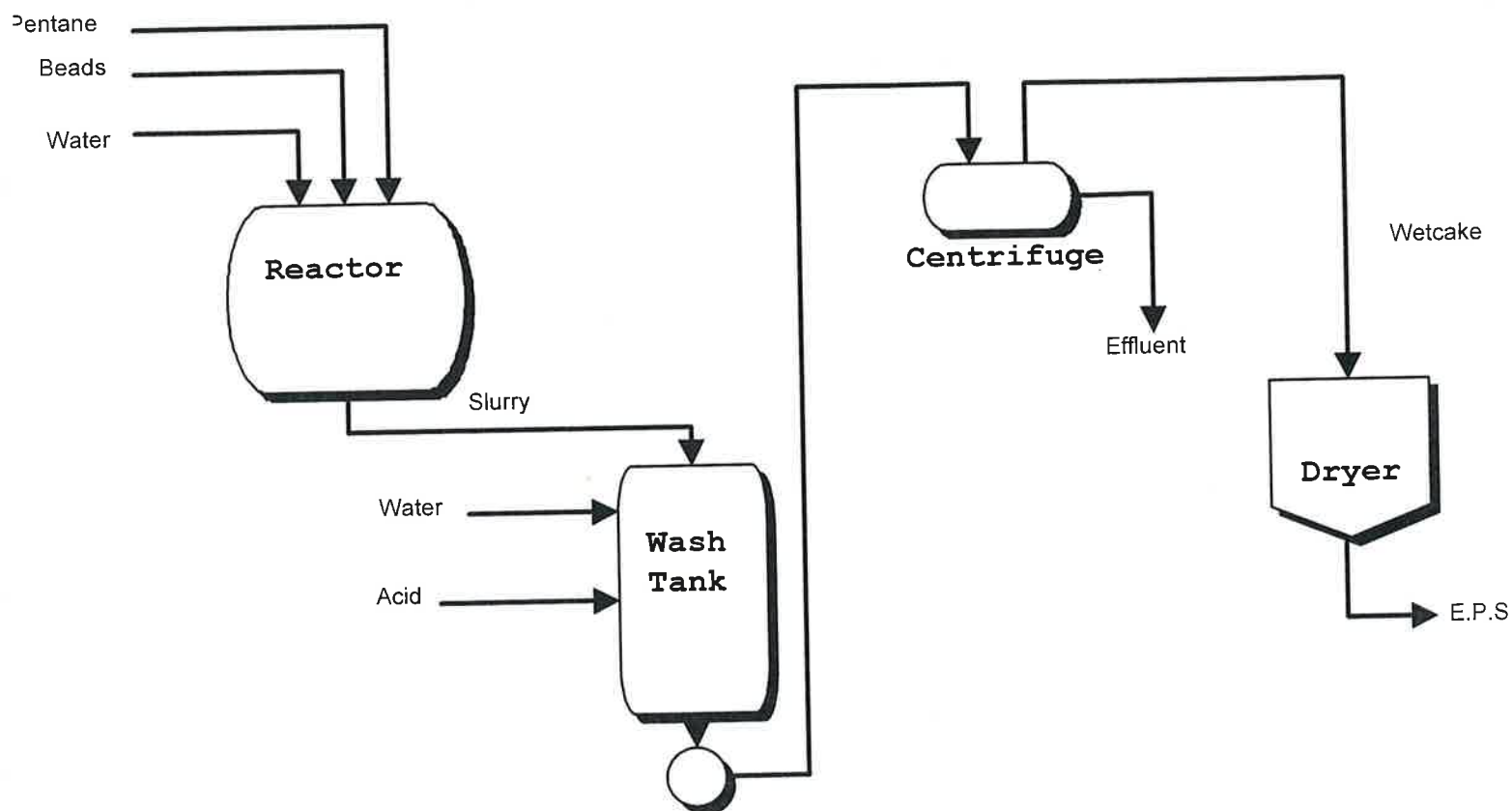
**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
FACILITY INSPECTION PROGRAM**

**Wheeling Operations Office
1060 Chapline Street
Wheeling, West Virginia 26003-2995
(304) 234-0263**

Nova Chemicals Inc.
400 Frankfort Road
Monaca, Pennsylvania 15061-2298

Attachment # 2 of 13

Dylite Impregnation



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
FACILITY INSPECTION PROGRAM**

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**Nova Chemicals Inc.
400 Frankfort Road
Monaca, Pennsylvania 15061-2298**

Attachment # 3 of 13



NOVA Chemicals Inc.
Beaver Valley Site

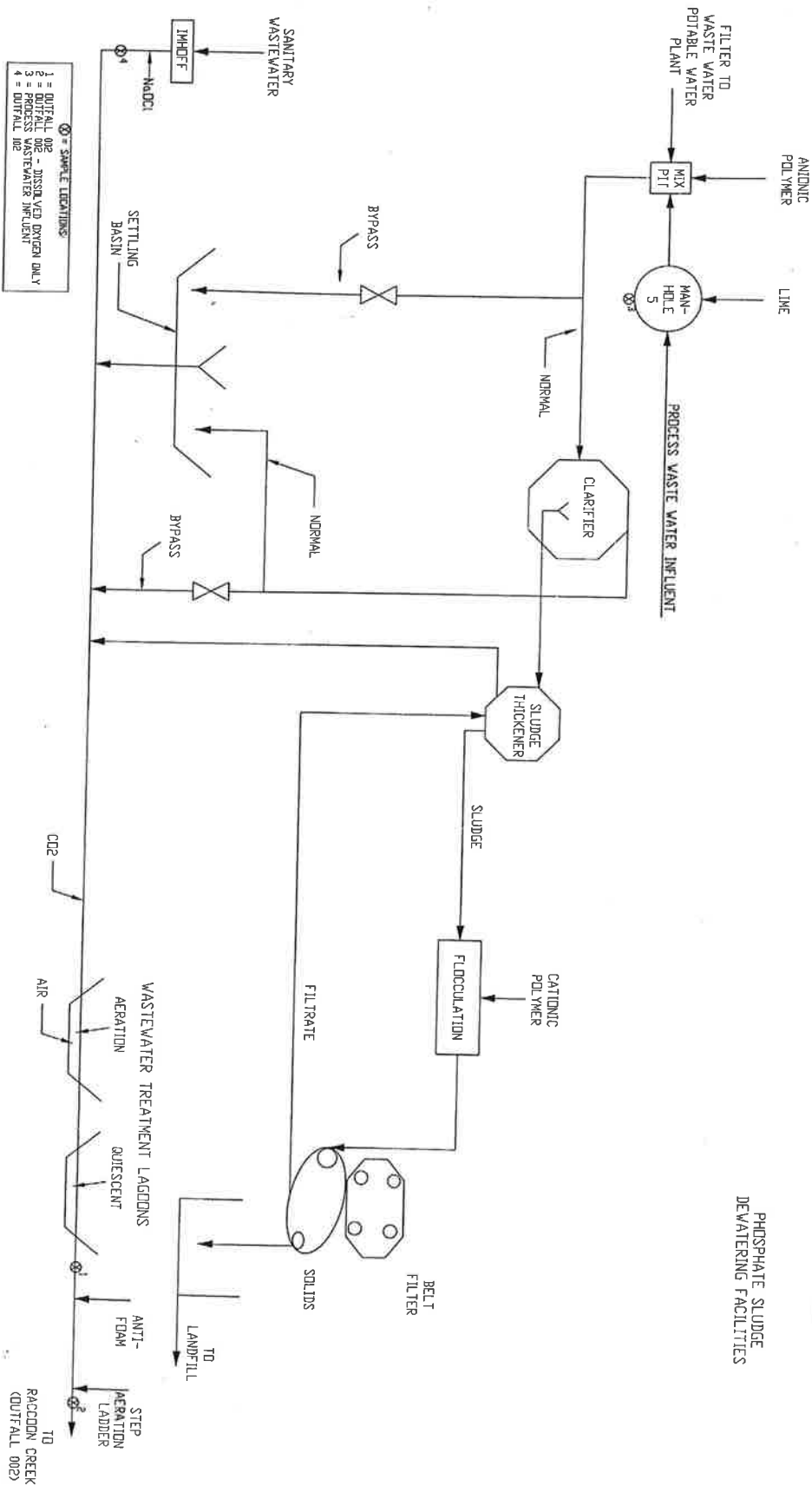


FIGURE 4
WASTE WATER
TREATMENT SYSTEM
SCHEMATIC

PHOSPHATE SLUDGE
DE-WATERING FACILITIES

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
FACILITY INSPECTION PROGRAM**

**Wheeling Operations Office
1060 Chapline Street
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(304) 234-0263**

Nova Chemicals Inc.
400 Frankfort Road
Monaca, Pennsylvania 15061-2298

Attachment # 4 of 13



GENERATOR

TRANSPORTER INT'L

GNATED FACILITY

1. Generator ID Number: PAR 000023925

2. Page 1 of 1

3. Emergency Response Phone: (800) 561-6082

4. Manifest Tracking Number: 000508261WAS

Generator's Site Address (if different than mailing address): SAME

Generator #: 98741

Generator's Name and Mailing Address: HERITAGE TRANSPORT, INC., 1200 ST. GEORGE STREET, EAST LIVERPOOL, OH 44020

Generator's Phone: (330) 770-2350

Transporter 1 Company Name: HERITAGE TRANSPORT, INC.

Transporter 2 Company Name:

Designated Facility Name and Site Address: HERITAGE TRANSPORT, 1200 ST. GEORGE STREET, EAST LIVERPOOL, OH 44020

Facility's Phone: (330) 366-9337

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type			DOT	DOT
1	UN1993, FLQ. Waste Flammable Liquid, n.s.s. (Ethyl Benzene, Benzene) (D001, D012) PG III	XXC1	DM	300	P	D001	D012
2							
3							
4							

14. Special Handling Instructions and Additional Information:

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Officer's Printed/Typed Name: T.E. COPPENSIS

Signature: [Signature]

Month: 01, Day: 21, Year: 2004

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Scott D. Landabaugh

Signature: [Signature]

Month: 1, Day: 21, Year: 2004

Transporter 2 Printed/Typed Name:

Signature:

Month: , Day: , Year:

18. Discrepancy

18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator): U.S. EPA ID Number:

Facility's Phone:

18c. Signature of Alternate Facility (or Generator):

Month: , Day: , Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H040 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: LEON HUBS

Signature: [Signature]

Month: 1, Day: 21, Year: 13

Form designed for use on elite (12-pitch) typewriter.)

Form Approved, OMB No. 2050-0039

**HAZARDOUS
MANIFEST**

1. Generator ID Number

PA 0000 33986

2. Page 1 of

3. Emergency Response Phone

800 361 5602

4. Manifest Tracking Number

000508261WAS

Generator's Name and Mailing Address

REPAIR TRANSPORT, INC.

330 FRANKLIN ST.

PHILADELPHIA, PA 19101

Generator's Site Address (if different than mailing address)

SAME

Generator's Phone:

215 774-1150

215 774-1150

6. Transporter 1 Company Name

REPAIR TRANSPORT, INC.

U.S. EPA ID Number

100 000 000 000

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

REPAIR TRANSPORT, INC.

330 FRANKLIN ST.

PHILADELPHIA, PA 19101

U.S. EPA ID Number

Facility's Phone:

215 774-1150

000 000 000 000

9a.
HM

9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))

10. Containers

No.

Type

11. Total
Quantity

12. Unit
Wt./Vol.

13. Waste Codes

1. UN1993, Rq. Wm. Flammable Liquid, n.o.s.
Ethyl Benzene, Petroleum (UN1993, 3)
PG III

881

DR

300

g

1993

1993

14. Special Handling Instructions and Additional Information

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Officer's Printed/Typed Name

Signature

Month Day Year

16. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Transporter 2 Printed/Typed Name

Signature

Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space

☐ Quantity

☐ Type

☐ Residue

☐ Partial Rejection

☐ Full Rejection

18b. Alternate Facility (or Generator)

Manifest Reference Number:

U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)

Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Signature

Month Day Year

**LAND DISPOSAL RESTRICTION (LDR)
NOTICE AND CERTIFICATION**

Name: Nova Chemicals, Inc.
Doc. No.: 000508261WAS

US EPA ID No.: PAR 000023986

(1) Manifest Page/Line Item	(2) Hazardous Waste Code (One line)A	(3) Waste Water'	(4) Non-Waste WaterB	(5) Subcategory (if applicable)	(6) Underlying Constituents?' (Circle one)	(7) Applicable Certification E (One per line)
1/1	D001		X	Ignitable Liquid	Yes <input checked="" type="radio"/> No <input type="radio"/> NA <input type="radio"/>	1
1/1	D018		X	Benzene	Yes <input checked="" type="radio"/> No <input type="radio"/> NA <input type="radio"/>	1
					Yes No NA	
					Yes No NA	
					Yes No NA	
					Yes No NA	
					Yes No NA	

- ^A To list additional waste codes complete a WTI LDR Continuation Form (WTILDR2). Complete a WTI Supplemental F001-F005 Spent Solvent/Underlying Constituents/F039 Leachate Form (WTILDR3) if one or more applicable waste codes are F001, F002, F003, F004, F005, or F039.
- ^B Must check one, either wastewater or non-wastewater.
- ^C Enter "NA" if no subcategory is applicable to the waste code (see 40 CFR 268.40).
- ^D If "Yes" is circled, complete WTI Supplemental F001-F005 Spent Solvent/Underlying Constituents/F039 Leachate Form (WTILDR3). For F001-F005 or F039 wastes, circle "NA" and identify F001 - F005 or F039 constituents on WTILDR3.
- ^E Choose from list of certifications below and enter number. Enter only one number per line. Enter date is subject to prohibition if Certification #3 applies.

- (1) Waste Does Not Meet Applicable Treatment Standards - This is a restricted waste that does not meet the applicable treatment standards set forth in Subpart D of 40 CFR Part 268.
- (2) Waste Meets Applicable Treatment Standards - I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine or imprisonment.
- (3) Waste Subject to Exemption - This waste is subject to an exemption from a prohibition, such as a case-by-case extension, an exemption, or a nationwide capacity variance (include date subject to LDR in Column 7)
- (4) Waste Treated to Applicable Treatment Standards (choose one):
- (4a) I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.
- (4b) I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion units as specified in 268.42, Table 1. I have been unable to detect the nonwastewater organic constituents, despite having used best good faith efforts to analyze for such constituents. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.
- (5) Characteristic Waste Treated to Remove Characteristic (choose one):
- (5a) I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. The decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.
- (5b) I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic, and that underlying hazardous constituents, as defined in 268(i), have been treated on-site to the 268.40 Universal Treatment Standards. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

Printed/Typed Name

Authorized Signature

Date

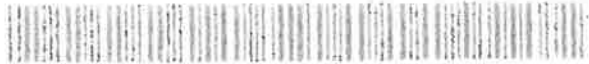
Heritage-WTI, Inc. does not warrant the acceptability of this form for any specific purpose, waste or treatment method and does not warrant that its use will constitute compliance with applicable law and expressly disclaims responsibility or liability, for any penalties, damages or other costs which may arise out of or be related to use of this document.

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
FACILITY INSPECTION PROGRAM**

**Wheeling Operations Office
1060 Chapline Street
Wheeling, West Virginia 26003-2995
(304) 234-0263**

**Nova Chemicals Inc.
400 Frankfort Road
Monaca, Pennsylvania 15061-2298**

Attachment # 5 of 13



(Form designed for use on elite (12-pitch) typewriter.)

GENERATOR

TRANSPORTER INT'L

DESIGNATED FACILITY

1. Generator ID Number A.R. 000023986		2. Page 1 of 1	3. Emergency Response Phone (800) 367-6862	4. Manifest Tracking Number 000467566WAS				
5. Generator's Name and Mailing Address HUYA CHEMICALS, INC. 400 FRANKFORD ROAD MONTACA, PA 15061 Generator's Phone: (724) 770-2350			Generator's Site Address (if different than mailing address) SAME Generator #: 93741					
6. Transporter 1 Company Name HERITAGE TRANSPORT, INC.			U.S. EPA ID Number IND058484114					
7. Transporter 2 Company Name			U.S. EPA ID Number					
8. Designated Facility Name and Site Address HERITAGE UNIT 1200 ST. GEORGE STREET EAST LIVERPOOL, OH 43920 Facility's Phone: (330) 881-7337			U.S. EPA ID Number DHD980613541					
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
			No.	Type				
	1. Q. UN1993, Waste Flammable Liquids, N.O.S. (Styrene) (D001, D018) 3. P.G. II ERG # 120		3001	DM	400	P	D001	D018
	2. Q. UN2055, Waste Styrene Monomer, Stabilized (D018, D001) 3. P.G. III ERG # 128P		3005	DM	2000	P	D001	D018
	3. Q. UN1173, Waste Ethylbenzene 3. P.G. II ERG # 120		3006	DM	2400	P	D001	F003
4.								
14. Special Handling Instructions and Additional Information a) W27 0117101 201117 b) W80 0117110 201117 c) W77 0724681 201117 T105 326								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offeror's Printed/Typed Name T.E. DUPLESSIS			Signature 			Month Day Year 08/13/12		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____								
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name			Signature			Month Day Year		
Transporter 2 Printed/Typed Name			Signature			Month Day Year		
18. Discrepancy								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____								
18b. Alternate Facility (or Generator)			U.S. EPA ID Number					
Facility's Phone: _____								
18c. Signature of Alternate Facility (or Generator)			Month Day Year					
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1. H040		2. H040		3. H040		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name Kevin HARE			Signature 			Month Day Year 8/13/12		




(Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

HAZARDOUS WASTE MANIFEST		1. Generator ID Number 0000000000	2. Page 1 of 1	3. Emergency Response Phone (500) 591-1800	4. Manifest Tracking Number 000467566WAS			
Generator's Name and Mailing Address 2001 N. 100th Ave. Eden Prairie, MN 55324		Generator's Site Address (if different than mailing address) 2001 N. 100th Ave. Eden Prairie, MN 55324						
Generator's Phone: (952) 930-1330		Generator's Fax: (952) 930-1330						
6. Transporter 1 Company Name WASTE MANAGEMENT, INC.				U.S. EPA ID Number DND0001-84016				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address WASTE MANAGEMENT, INC. 2001 N. 100th Ave. Eden Prairie, MN 55324				U.S. EPA ID Number DND0001-84016				
Facility's Phone: (952) 930-1330				Facility's Fax: (952) 930-1330				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	X	1. RQ UN1993, Waste Flammable Liquids, N.O.S. (Corrosive) (DOT 0018) (D018, D001) BRQ# 128	2001	IBC	400	?	2001	20018
	X	2. RQ UN1993, Waste Styrene Monomer, Stabilized (D018, D001) BRQ# 128P	20015	IBC	2000	?	2001	20018
	X	3. RQ UN1993, Waste Ethylbenzene (D018, D001) BRQ# 130	2006	IBC	2400	?	2001	20018
		4.						
14. Special Handling Instructions and Additional Information 1. DOT 0018 201117 2. DOT 0018 201117 3. DOT 0018 201117								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Officer's Printed/Typed Name JIM JONAS		Signature 			Month Day Year 10/13/12			
TRANSPORTER INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:					
	Transporter signature (for exports only):							
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials							
	Transporter 1 Printed/Typed Name	Signature			Month Day Year			
TRANSPORTER	Transporter 2 Printed/Typed Name							
	Signature			Month Day Year				
GNATED FACILITY	18. Discrepancy							
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
	18b. Alternate Facility (or Generator)			Manifest Reference Number: U.S. EPA ID Number				
	Facility's Phone:							
GNATED FACILITY	18c. Signature of Alternate Facility (or Generator)							
				Month Day Year				
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1.		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name		Signature			Month Day Year			

(Form designed for use on elite (12-pitch) typewriter.)

Form Approved, OMB No. 2050-0039

1. Generator ID Number PAR 000023986		2. Page 1 of 1	3. Emergency Response Phone (800) 561-8282	4. Manifest Tracking Number 000467566NAS							
Generator's Name and Mailing Address HAZARDOUS WASTE MANIFEST HOLLYWOOD, FL 33021 400 UNIVERSITY ROAD HOLLYWOOD, FL 33021 (754) 770-2330		Generator's Site Address (if different than mailing address) SAME G+mirator 95741									
6. Transporter 1 Company Name HERITAGE TRANSPORT, INC.		U.S. EPA ID Number MD058424114									
7. Transporter 2 Company Name		U.S. EPA ID Number									
8. Designated Facility Name and Site Address HERITAGE, INC. 1200 ST. GEORGE STREET EAST LIVERPOOL, OH 43920 Facility's Phone: (330) 383-7337		U.S. EPA ID Number MD058424114									
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes					
		No.	Type								
		1. 100	DM					400	D	1000	0018
		2. 100	DM					2000	D	1000	0018
3. 100	DM	2400	D	1000	0003						
4.											
14. Special Handling Instructions and Additional Information 1) 100 0117101 201117 2) 100 0117110 201117 3) 100 0124001 201117											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Officer's Printed/Typed Name T. B. GUTLESSIN		Signature 		Month 10	Day 13	Year 12					
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:											
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Month Day Year Transporter 2 Printed/Typed Name Signature Month Day Year											
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year											
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. 2. 3. 4.											
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature Month Day Year											

LAND DISPOSAL RESTRICTION (LDR)
NOTICE AND CERTIFICATION

Generator Name: NOVA CHEMICALS, INC.

US EPA ID No.: PAR 000 023 986

Manifest Doc. No.: 000467566WAS

(1) Manifest Page/Line Item	(2) Hazardous Waste Code (One line)A	(3) Waste Water'	(4) Non-Waste WaterB	(5) Subcategory (if applicable)	(6) Underlying Constituents?' (Circle one)	(7) Applicable Certification E (One per line)
1 / 1	D001		X	Ignitable Liquid, Incineration	Yes <input checked="" type="radio"/> No <input type="radio"/> NA	1
1 / 1	D018		X	N/A	Yes <input type="radio"/> No <input checked="" type="radio"/> NA	1
1 / 2	D001		X	Ignitable Liquid, Incineration	Yes <input checked="" type="radio"/> No <input type="radio"/> NA	1
1 / 2	D018		X	N/A	Yes <input type="radio"/> No <input checked="" type="radio"/> NA	1
1 / 3	D001		X	Ignitable Liquid, Incineration	Yes <input checked="" type="radio"/> No <input type="radio"/> NA	1
1 / 3	F003		X	Ethyl Benzene	Yes <input type="radio"/> No <input checked="" type="radio"/> NA	1
					Yes <input type="radio"/> No <input type="radio"/> NA	

A To list additional waste codes complete a WTI LDR Continuation Form (WTILDR2). Complete a WTI Supplemental F001-F005 Spent Solvent/Underlying Constituents/F039 Leachate Form (WTILDR3) if one or more applicable waste codes are F001, F002, F003, F004, F005, or F039.

B Must check one, either wastewater or non-wastewater.

C Enter "NA" if no subcategory is applicable to the waste code (see 40 CFR 268.40).

D If "Yes" is circled, complete WTI Supplemental F001-F005 Spent Solvent/Underlying Constituents/F039 Leachate Form (WTILDR3). For F001-F005 or F039 wastes, circle "NA" and identify F001 - F005 or F039 constituents on WTILDR3.

E Choose from list of certifications below and enter number. Enter only one number per line. Enter date is subject to prohibition if Certification #3 applies.

- (1) Waste Does Not Meet Applicable Treatment Standards - This is a restricted waste that does not meet the applicable treatment standards set forth in Subpart D of 40 CFR Part 268.
- (2) Waste Meets Applicable Treatment Standards - I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine or imprisonment.
- (3) Waste Subject to Exemption - This waste is subject to an exemption from a prohibition, such as a case-by-case extension, an exemption, or a nationwide capacity variance (include date subject to LDR in Column 7)
- (4) Waste Treated to Applicable Treatment Standards (choose one):
 - (4a) I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.
 - (4b) I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion units as specified in 268.42, Table 1. I have been unable to detect the nonwastewater organic constituents, despite having used best good faith efforts to analyze for such constituents. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.
- (5) Characteristic Waste Treated to Remove Characteristic (choose one):
 - (5a) I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. The decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.
 - (5b) I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic, and that underlying hazardous constituents, as defined in 268(i), have been treated on-site to the 268.40 Universal Treatment Standards. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

T.E. DiPlessis
Printed/Typed Name

[Signature]
Authorized Signature

8/13/12
Date

Heritage-WTI, Inc. does not warrant the acceptability of this form for any specific purpose, waste or treatment method and does not warrant that its use will constitute compliance with applicable law and expressly disclaims responsibility or liability, for any penalties, damages or other costs which may arise out of or be related to use of this document.

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
FACILITY INSPECTION PROGRAM**

**Wheeling Operations Office
1060 Chapline Street
Wheeling, West Virginia 26003-2995
(304) 234-0263**

Nova Chemicals Inc.
400 Frankfort Road
Monaca, Pennsylvania 15061-2298

Attachment # 6 of 13



Printed for use on elite (12-pitch) typewriter.)

1. Generator ID Number

A.R. 000023986

2. Page 1 of

3. Emergency Response Phone

(800) 561-8862

4. Manifest Tracking Number

000467570WAS

Generator's Site Address (if different than mailing address)

SAME

Generator #: 93741

Mailing Address

HERITAGE TRANSPORT, INC.

1230 ST. GEORGE STREET

EAST LIVERPOOL, OH 43920

PA 15061

(724) 770-2350

Transporter 1 Company Name

HERITAGE TRANSPORT, INC.

Transporter 2 Company Name

U.S. EPA ID Number

ND058484114

U.S. EPA ID Number

U.S. EPA ID Number

8. Designated Facility Name and Site Address

HERITAGE-WTI

1230 ST. GEORGE STREET

EAST LIVERPOOL, OH 43920

Facility's Phone: (330) 365-7337

DHD980673541

9a. HM 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))

10. Containers

No.

Type

11. Total Quantity

12. Unit Wt./Vol.

13. Waste Codes

1. UN 1263, WASTE PAINT RELATED MATERIAL
3, P.G. III ERG # 128

XX1

CF

600

P

D001

2. UN 1263, WASTE PAINT RELATED MATERIAL
3, P.G. III ERG # 128

XX2

DM

600

P

D001

3. UN 2733, WASTE AMINES, FLAMMABLE, CORROSIVE, N.O.S.
(ALKYLAMINES)
3 (2), P.G. II ERG # 132

XX1

DM

100

P

D001

D002

4. UN 3345, WASTE ORGANOMETALLIC
SUBSTANCE, SOLID, WATER REACTIVE

XX1

DF

100

P

D001

D003

14. Special Handling Instructions and Additional Information

-2) W105 0999133 201089

3) W139 0999136 201089

4) W3 0999100 201089

*All weights Approximate

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offor's Printed/Typed Name

T.E. DUPLESSIS

Signature

Month Day Year

08/13/12

16. International Shipments

☐

Import to U.S.

☐

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Scott D. Landbaugh

Signature

Scott D. Landbaugh

Month Day Year

8/13/12

Transporter 2 Printed/Typed Name

Signature

Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space

☐

Quantity

☐

Type

☐

Residue

☐

Partial Rejection

☐

Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)

Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H040

2. H040

3. H040

4. H040

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name

Kevin Hare

Signature

K. Hare

Month Day Year

8/13/12

Designed for use on elite (12-pitch) typewriter.)

1. Generator ID Number: 000023986

2. Page 1 of 1

3. Emergency Response Phone: (800) 567-8862

4. Manifest Tracking Number: 000076352WAS

Generator's Site Address (if different than mailing address): SAME

Generator's Phone: (724) 770-2350

Generator's Name: HERITAGE TRANSPORT, INC.

U.S. EPA ID Number: ND058484119

U.S. EPA ID Number: ND058484119

U.S. EPA ID Number: ND058484119

8. Designated Facility Name and Site Address: HERITAGE-WTI, 1250 ST. GEORGE STREET, EAST LIVERPOOL, OH 44027

Facility's Phone: (330) 385-7337

9a. HM: X

9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)): 1. UN 2055, WASTE STYRENE MONOMER, STABILIZED, 3, P.G. III, ERG #128

10. Containers: No. 200, Type DM

11. Total Quantity: 400

12. Unit Wt./Vol.: P

13. Waste Codes: D001, D018

14. Special Handling Instructions and Additional Information: 15 W28 0117110 201098

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Officer's Printed/Typed Name: T.E. DUPLISSIS

Signature: [Signature]

Month: 08, Day: 13, Year: 12

16. International Shipments: ☐ Import to U.S., ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:

Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Scott D. Landhaugh

Signature: [Signature]

Month: 8, Day: 13, Year: 12

Transporter 2 Printed/Typed Name:

Signature:

Month: , Day: , Year:

18. Discrepancy

18a. Discrepancy Indication Space: ☐ Quantity, ☐ Type, ☐ Residue, ☐ Partial Rejection, ☐ Full Rejection

Manifest Reference Number:

U.S. EPA ID Number:

18b. Alternate Facility (or Generator):

Facility's Phone:

18c. Signature of Alternate Facility (or Generator):

Month: , Day: , Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H040, 2., 3., 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Kevin HARE

Signature: [Signature]

Month: 8, Day: 13, Year: 12



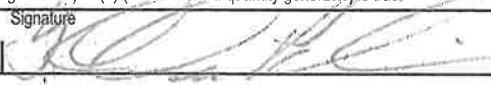

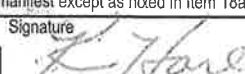
Designed for use on elite (12-pitch) typewriter.)

1. Generator ID Number PAR-000023986		2. Page 1 of 1	3. Emergency Response Phone (800) 361-2862		4. Manifest Tracking Number 000467565WAS			
Generator's Site Address (if different than mailing address) SAME								
Generator's Phone: (724) 770-2350								
Generator's Company Name HERITAGE TRANSPORT, INC.				U.S. EPA ID Number ND058484114				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address HERITAGE-WTI 1250 ST. GEORGE STREET EAST LIVERPOOL, OH 43920 Facility's Phone: (330) 385-7327				U.S. EPA ID Number DHD980613541				
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
			No.	Type				
	1. UN2055, Waste Systems Machine, Stabilized						D001 D2012	
	2. UN1991, WASTE FLAMMABLE LIQUIDS, N.O.S.						D001 F002 F003	
	3. UN3077, HAZARDOUS WASTE, SOLID, N.O.S.						F002 F003 F005	
4.								
14. Special Handling Instructions and Additional Information T105326								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offor's Printed/Typed Name T.E. DUPLISSIS				Signature <i>[Signature]</i>		Month Day Year 08/13/12		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.:								
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Scott A. Landis Signature <i>[Signature]</i> Month Day Year 08/13/12 Transporter 2 Printed/Typed Name Signature Month Day Year								
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number: Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year								
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. 2. 3. H040 4.								
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a Printed/Typed Name Kevin Hare Signature <i>[Signature]</i> Month Day Year 08/13/12								

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

1. Generator ID Number PAR 000023986		2. Page 1 of 1		3. Emergency Response Phone (800) 561-8862		4. Manifest Tracking Number 000467568WAS											
Generator's Mailing Address CHEMICALS, INC. BANKPORT ROAD MAGA, PA 15061 Phone: (724) 770-2350				Generator's Site Address (if different than mailing address) ISAME													
Transporter 1 Company Name HERITAGE TRANSPORT, INC.				U.S. EPA ID Number ND 058484114													
7. Transporter 2 Company Name				U.S. EPA ID Number													
8. Designated Facility Name and Site Address HERITAGE WTI 1250 ST. GEORGE STREET EAST LIVERPOOL, OH 43920 Facility's Phone: (330) 385-7337				U.S. EPA ID Number PHD 980613541													
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) UN 1993, WASTE FLAMMABLE LIQUIDS, N.O.S. (BENZENE, ETHYL BENZENE) P.G. III ERG #128	10. Containers No. Type 300 DM		11. Total Quantity 100	12. Unit Wt./Vol. g	13. Waste Codes <table border="1" style="width:100%; border-collapse: collapse;"><tr><td style="width:50%;">D001</td><td style="width:50%;">D012</td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></table>	D001	D012								
	D001	D012															
14. Special Handling Instructions and Additional Information W44 0724685 201110																	
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small-quantity generator) is true.																	
Generator's/Offoror's Printed/Typed Name T.E. DUPLESSIS				Signature 		Month Day Year 08/13/12											
INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____																
	17. Transporter Acknowledgment of Receipt of Materials																
	Transporter 1 Printed/Typed Name Scott D Lindbergh				Signature 		Month Day Year 8/13/12										
TRANSPORTER	Transporter 2 Printed/Typed Name				Signature		Month Day Year										
DESIGNATED FACILITY	18. Discrepancy																
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection																
	18b. Alternate Facility (or Generator)				Manifest Reference Number: _____			U.S. EPA ID Number									
DESIGNATED FACILITY	Facility's Phone: _____				18c. Signature of Alternate Facility (or Generator)			Month Day Year									
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)																	
1. H040		2. _____		3. _____		4. _____											
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a																	
Printed/Typed Name Kevin HARE				Signature 		Month Day Year 8/13/12											

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
FACILITY INSPECTION PROGRAM**

**Wheeling Operations Office
1060 Chapline Street
Wheeling, West Virginia 26003-2995
(304) 234-0263**

Nova Chemicals Inc.
400 Frankfort Road
Monaca, Pennsylvania 15061-2298

Attachment # 7 of 13

Designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

1. Generator ID Number PAE 00002384	2. Page 1 of 1	3. Emergency Response Phone 724-770-2350	4. Manifest Tracking Number 000399059WAB
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Generator's Mailing Address 1230 ST. GEORGE STREET EAST LIVERPOOL, OH 44026 (800) 561-8862	Generator's Site Address (if different than mailing address) SAME
---	--

Generator 1 Company Name WASTE TRANSPORT, INC.	U.S. EPA ID Number IND052484114
Generator 2 Company Name	U.S. EPA ID Number

Designated Facility Name and Site Address 1230 ST. GEORGE STREET EAST LIVERPOOL, OH 44026 (800) 561-8862	U.S. EPA ID Number OH00980613541
---	-------------------------------------

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
X	1. HAZARDOUS WASTE, LIQUID, N.O.S. (TETRACHLOROETHYLENE) PG III ERG #171	1	DM	400	P	D039	D040	D043
X	2. UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S. (STYRENE, ETHYL BENZENE) (D018, D091) PG III ERG #128	3	DM	1200	P	D001	D018	
X	3. UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S. (STYRENE) (D018, D091) PG II ERG #128	3	DM	100	P	D018	D001	D003
X	4. HAZARDOUS WASTE LIQUID, N.O.S. (TETRACHLOROETHYLENE) PG III ERG #171	1	DM	400	P	D039	D040	D043

14. Special Handling Instructions and Additional Information W59 201099 0699128 W59 201098 0699128 W32 201117 0117110 W16 204787 0724704	
---	--

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Officer's Printed/Typed Name M. DUBESSE	Signature <i>[Signature]</i>	Month 12	Day 15	Year 11
--	---------------------------------	-------------	-----------	------------

16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit: Date leaving U.S.:
--	---

17. Transporter Acknowledgment of Receipt of Materials	
Transporter 1 Printed/Typed Name SCOTT D. LANSBACH	Signature <i>[Signature]</i> Month Day Year 6 15 11
Transporter 2 Printed/Typed Name	Signature Month Day Year

18. Discrepancy	
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection	Manifest Reference Number: U.S. EPA ID Number

18b. Alternate Facility (or Generator)		
Facility's Phone:	U.S. EPA ID Number	
18c. Signature of Alternate Facility (or Generator)		
Month	Day	Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)			
1. H040	2. H040	3. H040	4. H040

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a	
Printed/Typed Name Lowell	Signature <i>[Signature]</i> Month Day Year 6 15 11



1. Generator ID Number PAH 00002266		2. Page 1 of 1	3. Emergency Response Phone 1-800-424-2350	4. Manifest Tracking Number 000099059JAG				
Generator's Site Address (if different than mailing address) JAGH								
5. Generator's Phone: Transporter 1 Company Name SCOTT'S LANDSCAPE, INC.				U.S. EPA ID Number DND032184111				
Transporter 2 Company Name				U.S. EPA ID Number				
6. Designated Facility Name and Site Address 1230 ST. CATHARINE STREET EAST LIVERPOOL, OH 44026 (330) 383-9337				U.S. EPA ID Number DND0000613341				
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. HAZARDOUS WASTE, LIQUID, N.O.S. (TETRACHLOROETHYLENE) 2. 90 III RRG #171	1	DM	400	P	D039	D043	D043
X	2. UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S. (STYRENE, ETHYL BENZENE) (D016, D041) 3. 90 III RRG #126	3	DM	1200	P	D016	D018	
X	3. UN1993, WASTE FLAMMABLE LIQUIDS, N.O.S. (STYRENE) (D016, D041) 2. 90 III RRG #126	3	DM	100	P	D016	D001	D003
X	4. HAZARDOUS WASTE, LIQUID, N.O.S. (TETRACHLOROETHYLENE) 2. 90 III RRG #171	1	DM	400	P	D039	D043	D043
14. Special Handling Instructions and Additional Information D. W59 201059 3892126 Q. W59 201028 3892126 A. W52 201117 0117119 B. W16 201787 0724004								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Officer's Printed/Typed Name C.F. DUNLAP, JR.					Signature <i>[Signature]</i>		Month Day Year 12/15/11	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____								
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name SCOTT'S LANDSCAPE Signature <i>[Signature]</i> Month Day Year 12/15/11 Transporter 2 Printed/Typed Name Signature <i>[Signature]</i> Month Day Year 12/15/11								
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____ 18b. Alternate Facility (or Generator) U.S. EPA ID Number _____ Facility's Phone: _____ 18c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____								
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. _____ 2. _____ 3. _____ 4. _____								
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name _____ Signature _____ Month Day Year _____								

**LAND DISPOSAL RESTRICTION (LDR)
NOTICE AND CERTIFICATION**

US EPA ID No.: PAR 000 2386

000399059WAT

(1) Page/Line Item	(2) Hazardous Waste Code (One line)A	(3) Waste Water ¹	(4) Non-Waste WaterB	(5) Subcategory (if applicable)	(6) Underlying Constituents? ² (Circle one)	(7) Applicable Certification ^E (One per line)
1/1	D039		X	Tetrachloroethylene	Yes <input checked="" type="radio"/> No NA	1
1/1	D040		X	Trichloroethylene	Yes <input checked="" type="radio"/> No NA	1
1/1	D043		X	Vinyl Chloride	Yes <input checked="" type="radio"/> No NA	1
1/2	D001		X	Ignitable Characteristic	Yes <input checked="" type="radio"/> No NA	1
1/2	D018		X	Benzene	Yes <input checked="" type="radio"/> No NA	1
1/3	D001		X	Ignitable Characteristic	Yes <input checked="" type="radio"/> No NA	1
1/3	D018		X	Benzene	Yes <input checked="" type="radio"/> No NA	1

- A** To list additional waste codes complete a WTI LDR Continuation Form (WTILDR2). Complete a WTI Supplemental F001-F005 Spent Solvent/Underlying Constituents/F039 Leachate Form (WTILDR3) if one or more applicable waste codes are F001, F002, F003, F004, F005, or F039.
- B** Must check one, either wastewater or non-wastewater.
- C** Enter "NA" if no subcategory is applicable to the waste code (see 40 CFR 268.40).
- D** If "Yes" is circled, complete WTI Supplemental F001-F005 Spent Solvent/Underlying Constituents/F039 Leachate Form (WTILDR3). For F001-F005 or F039 wastes, circle "NA" and identify F001 - F005 or F039 constituents on WTILDR3.
- E** Choose from list of certifications below and enter number. Enter only one number per line. Enter date is subject to prohibition if Certification #3 applies.

- (1) Waste Does Not Meet Applicable Treatment Standards - This is a restricted waste that does not meet the applicable treatment standards set forth in Subpart D of 40 CFR Part 268.
- (2) Waste Meets Applicable Treatment Standards - I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support certification that the waste complies with the treatment standards specified in 40 CFR 268 Subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine or imprisonment.
- (3) Waste Subject to Exemption - This waste is subject to an exemption from a prohibition, such as a case-by-case extension, an exemption, or a nationwide capacity variance (include date subject to LDR in Column 7)
- (4) Waste Treated to Applicable Treatment Standards (choose one):
- (4a) I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards in 40 CFR Part 268.40 without impermissible dilution of the prohibited waste. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.
- (4b) I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion units as specified in 268.42, Table 1. I have been unable to detect the nonwastewater organic constituents, despite having used best good faith efforts to analyze for such constituents. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.
- (5) Characteristic Waste Treated to Remove Characteristic (choose one):
- (5a) I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. The decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.
- (5b) I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic, and that underlying hazardous constituents, as defined in 268(i), have been treated on-site to the 268.40 Universal Treatment Standards. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

Printed/Typed Name

Authorized Signature

Date

Heritage-WTI, Inc. does not warrant the acceptability of this form for any specific purpose, waste or treatment method and does not warrant that its use will constitute compliance with applicable law and expressly disclaims responsibility or liability, for any penalties, damages or other costs which may arise out of or be related to use of this document.

LAND DISPOSAL RESTRICTION (LDR)
NOTICE AND CERTIFICATION

US EPA ID No.:

PAR 0002386

No.:

000399089WAS

is to be used only as a continuation to the WTI LDR Notification and Certification (WTILDR1).

[illegible]

- A To list additional waste codes complete a WTI LDR Continuation Form (WTILDR2). Complete a WTI Supplemental F001 -F005 Spent Solvent/Underlying Constituents/F039 Leachate Form (WTILDR3) if one or more applicable waste codes are F001, F002, F003, F004, F005, or F039.
- B Must check one, either wastewater or non-wastewater.
- C Enter "NA" if no subcategory is applicable to the waste code (see 40 CFR 268.40).
- D If "Yes" is circled, complete WTI Supplemental F001-F005 Spent Solvent/Underlying Constituents/F039 Leachate Form (WTILDR3). For F001-F005 or F039 wastes, circle "NA" and identify F001 -F005 or F039 constituents on WTILDR3.
- Choose from list of certifications below and enter number. Enter only one number per line. Enter date is subject to prohibition if Certification #3 applies.

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
FACILITY INSPECTION PROGRAM**

**Wheeling Operations Office
1060 Chapline Street
Wheeling, West Virginia 26003-2995
(304) 234-0263**

Nova Chemicals Inc.
400 Frankfort Road
Monaca, Pennsylvania 15061-2298

Attachment # 8 of 13



Hazardous Waste Storage Pad Weekly Inspection Log

Date: 9-18-13**General:**

Properly Segregated

Adequate Aisle Space

Condition of Containment Sump

No Oil Slick on Containment Sump

Condition of Dike

Drums:

Labels in Place/Complete

No Leaks

Condition

Lids/Bungs Tightly Closed

Haz Pad
Satisfactory

Yes

No

Haz Pad (QA)
Satisfactory

Yes

No

Haz Pad (TECH)
Satisfactory

Yes

No

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Comments	Date Resolved	Initials

Reginald D. Cook
 Inspected By:

[Signature]
 Audited By:

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
FACILITY INSPECTION PROGRAM**

**Wheeling Operations Office
1060 Chapline Street
Wheeling, West Virginia 26003-2995
(304) 234-0263**

Nova Chemicals Inc.
400 Frankfort Road
Monaca, Pennsylvania 15061-2298

Attachment # 9 of 13

Name: _____

First: Racquel
Last: Cook

Education:

School:	NOVA
Certification:	NO FINAL CERTIF
Areas of Studies:	DEFAULT

Courses Attended:

Course	(BMT #)	Long Title	NO	ISO 9000 Qua	Start Date	End Date
50068742		ISO 9000 Quality Awareness		ISO 9000 Qua	1997.12.31	1997.12.31
50005793		Drug & Alcohol for Emps (Initial)	NOV	Alcohol & Dr	1998.12.31	1998.12.31
50150306		Access To Exposure/Medical Records	_BV	AEHR	1998.12.31	1998.12.31
50150307		Accident Prevention Signs & Tags	_BV	APS	1998.12.31	1998.12.31
50150308		Portable Air Sampling	_BV	PortAirSamp	1998.12.31	1998.12.31
50150318		Dust Hazards	_BV	Dust Haz.	1998.12.31	1998.12.31
50150344		Electrical Safety 1	_US_BV	Elec. Safe 1	1998.12.31	1998.12.31
50150346		Emergency Action Plans	_US_BV	Emer. Action	1998.12.31	1998.12.31
50150350		Portable Fire Extinguishers	_BV	PFErt	1998.12.31	1998.12.31
50150352		Fire Watch	_US_BV	Fire Watch	1998.12.31	1998.12.31
50150363		Hazard Communication	_US_BV	Hazard Com.	1998.12.31	1998.12.31
50150367		Hearing Protection	_BV	HeardProtect	1998.12.31	1998.12.31
50150396		Incident Learning Overview	NOVA_BV	Ind. Learn	1998.12.31	1998.12.31
50150400		Line Breaking	_US_BV	Line Break	1998.12.31	1998.12.31
50150401		Lockout/Tagout	_US_BV	Lock/Tagout	1998.12.31	1998.12.31
50150403		Nitrogen Safety	_US_BV	Nitro. Safe	1998.12.31	1998.12.31
50150405		Process Safety Mgt Overview	_US_BV	Process Mgt	1998.12.31	1998.12.31
50150407		Respiratory Protection	_US_BV	Respiratory	1998.12.31	1998.12.31
50150412		Work Permits	_US_BV	Work Permit	1998.12.31	1998.12.31
50150418		Resource Conservation & Recovery Act	_BV	RCRA	1998.12.31	1998.12.31
50150419		Spill Prevention Control & Countermea	_BV	SPCC	1998.12.31	1998.12.31
50150420		Toxic Substance & Control Act	_US_BV	TSCA	1998.12.31	1998.12.31
50162553		General Safety Orientation	BV	GenSafeOrien	1998.12.31	1998.12.31
50162628		Incident Learning Process Overview	NOV	InclngOver	1999.06.20	1999.06.20
50150861		Responsible Care Overview (RC STDS)	_US	RC-Over	1999.09.23	1999.09.23
50183447		Forklift Operation Training	_BV	ForkOpTrng	1999.12.31	1999.12.31
50163038		Portable Air Sampling	_BV	PortAirSamp	1999.12.31	1999.12.31
50150346		Emergency Action Plans	_US_BV	Emer. Action	1999.12.31	1999.12.31
50150348		Fall Protection	_US_BV	Fall Protect	1999.12.31	1999.12.31
50150350		Portable Fire Extinguishers	_BV	PFErt	1999.12.31	1999.12.31
50150352		Fire Watch	_US_BV	Fire Watch	1999.12.31	1999.12.31
50150367		Hearing Protection	_BV	HeardProtect	1999.12.31	1999.12.31
50150401		Lockout/Tagout	_US_BV	Lock/Tagout	1999.12.31	1999.12.31
50150403		Nitrogen Safety	_US_BV	Nitro. Safe	1999.12.31	1999.12.31
50150405		Process Safety Mgt Overview	_US_BV	Process Mgt	1999.12.31	1999.12.31
50150407		Respiratory Protection	_US_BV	Respiratory	1999.12.31	1999.12.31
50150412		Work Permits	_US_BV	Work Permit	1999.12.31	1999.12.31
50150418		Resource Conservation & Recovery Act	_BV	RC Over	1999.12.31	1999.12.31
50150419		Spill Prevention Control & Recovery Act	_BV	RCRA	1999.12.31	1999.12.31
50150420		Toxic Substance & Control Act	_US_BV	SPCC	1999.12.31	1999.12.31
50162553		General Safety Orientation	BV	GenSafeOrien	1999.12.31	1999.12.31
50162628		Incident Learning Process Overview	NOV	InclngOver	1999.06.20	1999.06.20
50150861		Responsible Care Overview (RC STDS)	_US	RC-Over	1999.09.23	1999.09.23
50183447		Forklift Operation Training	_BV	ForkOpTrng	1999.12.31	1999.12.31
50163038		Portable Air Sampling	_BV	PortAirSamp	1999.12.31	1999.12.31
50150346		Emergency Action Plans	_US_BV	Emer. Action	1999.12.31	1999.12.31
50150348		Fall Protection	_US_BV	Fall Protect	1999.12.31	1999.

Program: ZHR0034
Run Date: 2013.09.26
Run Time: 10:58:46
Report to list education and courses taken by employees
* Confidential as per information protection policy

NOVA Chemicals

50162445	Asbestos Awareness_BV	2003.03.25	2003.03.25
50150410	Scaffold Safety	2003.03.28	2003.03.28
50150306	Access To Exposure/Medical Records_BV	2003.08.22	2003.08.22
50150403	Nitrogen Safety_US_BV	2003.08.22	2003.08.22
50162623	Patigue Countermeasures CBT Refresher	2003.08.28	2003.08.28
50156771	Compliance_General_Policy_& Program_NO	2003.09.22	2003.09.22
50156771	Compliance_General_Policy_& Program_NO	2003.09.24	2003.09.24
50150350	Portable Fire Extinguishers_BV	2003.09.25	2003.09.25
50150352	Fire Watch_US_BV	2003.09.25	2003.09.25
50150404	Personal Protective Equipment_BV	2003.09.25	2003.09.25
50167030	Anti-Harassment Policy 2003 Update_NOV	2003.11.25	2003.11.25
50150418	Resource Conservation & Recovery Act	2003.12.02	2003.12.02
50158470	ISO 9001 General Awareness	2003.12.02	2003.12.02
50177142	Cardinal Rules_BV	2004.01.22	2004.01.22
50168933	Records Management Compliance CBT_NOVA	2004.04.08	2004.04.08
50150421	Crane & Hoist Safety Training_US_BV	2004.04.23	2004.04.23
50168933	Records Management Compliance CBT_NOVA	2004.04.23	2004.04.23
50150367	Hearing Protection_BV	2004.05.11	2004.05.11
50150344	Electrical Safety 1_US_BV	2004.05.14	2004.05.14
50150419	Spill Prevention Control & Countermea-	2004.05.14	2004.05.14
50162445	Asbestos Awareness_BV	2004.07.20	2004.07.20
50177287	D4 SWECC (Trainee to C Level)_BV	2004.11.09	2004.11.09
50177140	Blue Flag Procedure_BV	2004.11.10	2004.11.10
50150418	Resource Conservation & Recovery Act -	2004.11.10	2004.11.10
50177238	Occupational Health Awareness Trng_BV	2004.11.23	2004.11.23
50150356	Hand & Power Tool Safety_BV	2004.11.23	2004.11.23
50177229	Flammable & Combustible Liquids_BV	2004.12.10	2004.12.10
50150420	Toxic Substance & Control Act_US_BV	2004.12.31	2004.12.31
50150344	Electrical Safety 1_US_BV	2004.12.31	2004.12.31
50150346	Emergency Action Plans_US_BV	2004.12.31	2004.12.31
50150348	Fall Protection_US_BV	2004.12.31	2004.12.31
50150350	Portable Fire Extinguishers_BV	2004.12.31	2004.12.31
50150352	Fire Watch_US_BV	2004.12.31	2004.12.31
50150400	Line Breaking_US_BV	2004.12.31	2004.12.31
50150401	Lockout/Tagout_US_BV	2004.12.31	2004.12.31
50150412	Work Permits_US_BV	2004.12.31	2004.12.31
50177139	BBS Hourly Training_BV	2005.03.16	2005.03.16
50177191	D4 Area (B to A level)_BV	2005.04.04	2005.04.04
50177298	D4 Area Operator Recertification_BV	2005.04.04	2005.04.04
50150367	Hearing Protection_BV	2005.06.14	2005.06.14
50177128	Maritime Security (MARSRC) Training	2005.06.14	2005.06.14
50150306	Access To Exposure/Medical Records_BV	2005.06.15	2005.06.15
50162445	Asbestos Awareness_BV	2005.06.15	2005.06.15
50133795	Defensive Driving_NOVA	2005.10.04	2005.10.04
50150363	Hazard Communication_US_BV	2005.10.21	2005.10.21
50150418	Resource Conservation & Recovery Act -	2005.10.21	2005.10.21
50150419	Spill Prevention Control & Countermea-	2005.11.26	2005.11.26
50150350	Portable Fire Extinguishers_BV	2005.11.26	2005.11.26
50179904	Business Conduct Policy (CBT)_NO	2005.11.28	2005.11.28
50096144	Drug & Alcohol for Employees Refresh C	2005.12.31	2005.12.31
50150314	Confined Space Entry & Hole Watch_BV	2005.12.31	2005.12.31
50177232	Respiratory Protection_US_BV	2005.12.31	2005.12.31
50177233	Fork Lift Prof. Ck Trng/Sitdown_BV	2005.12.31	2005.12.31
50177233	Forklift Proficiency Check/MPJack	2005.12.31	2005.12.31
50177233	Forklift Proficiency Check/MPJack	2006.02.09	2006.02.09
50177233	Access To Exposure/Medical Records_BV	2006.04.02	2006.04.02
50177233	Asbestos Awareness_BV	2006.04.02	2006.04.02
50177233	Hearing Protection_BV	2006.05.20	2006.05.20
50177233	Compressed Gas Cylinders	2006.05.20	2006.05.20

NOVA Chemicals
Education and courses taken by employees

50150330	Portable Fire Extinguishers - BV	PRFXT	2006.10.28	2006.10.28
50150339	Ladder Safety US_BV	Ladder Safe	2006.10.28	2006.10.28
50150349	Spill Prevention Control & Countermea-	SPCC	2006.10.28	2006.10.28
50150418	Resource Conservation & Recovery Act -	RCRA	2006.12.31	2006.12.31
50150403	Nitrogen Safety US_BV	Nitro. Safe	2007.03.15	2007.03.15
50150407	Respiratory Protection US_BV	Respiratory	2007.03.15	2007.03.15
50150477	Rating Countermeasures CBT_Refresh	RCMRRefresh	2007.03.15	2007.03.15
50162633	Access To Exposure/Medical Records _BV	AEHR	2007.05.24	2007.05.24
50150306	Asbestos Awareness_BV	Asbestos Awa	2007.05.24	2007.05.24
50162445	Portable Fire Extinguishers - BV	PRFXT	2007.08.27	2007.08.27
50150350	Hearing Protection - BV	HearProtect	2007.08.27	2007.08.27
50150367	Toxic Substance & Control Act US_BV	TSCA	2007.08.27	2007.08.27
50150440	Electrical Safety 1 US_BV	Elec. Safe 1	2007.10.05	2007.10.05
50150344	Resource Conservation & Recovery Act -	RCRA	2007.11.07	2007.11.07
50150418	Spill Prevention Control & Countermea-	SPCC	2007.11.08	2007.11.08
50150419	Safestart Hourly Trng - Session 1	Safestart1	2008.01.14	2008.01.14
50193369	Safestart Hourly - Train The Trainer -	SafestartTTT	2008.01.14	2008.01.14
50193371	Facility Self Assessment Auditor Trng	FSATrng	2008.03.24	2008.03.24
50201321	Safestart Hourly Trng - Session 2	Safestart2	2008.04.01	2008.04.01
50193399	Access To Exposure/Medical Records _BV	AEHR	2008.04.10	2008.04.10
50150306	Asbestos Awareness_BV	Asbestos Awa	2008.04.10	2008.04.10
50162445	Ergonomics, Core Initial (CBT) NO	ErgoCore	2008.07.30	2008.07.30
50075909	Ergonomics, CORE - Refresher CBT_NOVA	ErgoCoreRef	2008.07.30	2008.07.30
60002001	Portable Fire Extinguishers - BV	PRFXT	2008.07.31	2008.07.31
50150350	Hazard Communication US_BV	Hazard Com.	2008.09.08	2008.09.08
50150363	BBS Hourly Training BV	BBSHRLYTRNG	2008.09.08	2008.09.08
50177139	Ergonomics, Industrial (CBT) NO	ErgoInd	2008.10.13	2008.10.13
50103670	Ergonomics, Office (CBT) NOVA	ErgoOff	2008.10.15	2008.10.15
50107144	Spill Prevention Control & Countermea-	SPCC	2008.10.16	2008.10.16
50150419	Blue Flag Procedure_BV	BLUEFLAGPROC	2008.10.16	2008.10.16
50078369	Anti-Harassment Policy	Anti-Harass	2008.10.24	2008.10.24
50096144	Drug & Alcohol for Employees Refresh C	Alcohol & Dr	2008.10.24	2008.10.24
50150308	Portable Air Sampling - BV	PortAirSamp	2008.10.24	2008.10.24
50150314	Confined Space Entry & Hole Watch - BV	ConfSpentry	2008.10.24	2008.10.24
50167030	Anti-Harassment Policy 2003 Update_NOV	Anti_Harass	2008.10.24	2008.10.24
60001732	Performance Styrenics Anti-Harassment	NOPS&H	2008.10.24	2008.10.24
50201321	Facility Self Assessment Auditor Trng	FSATrng	2008.12.08	2008.12.08
50177136	BBS Salary Training BV	BBSSLRY	2008.12.17	2008.12.17
50177136	Hand & Power Tool Safety - BV	HandPwrTool	2008.12.29	2008.12.29
50150356	Hearing Protection - BV	HearProtect	2008.12.29	2008.12.29
50150367	Respiratory Protection US_BV	Respiratory	2009.02.05	2009.02.05
50150407	BBS Salary Training BV	BBSSLRY	2009.02.05	2009.02.05
50177136	Ergonomics Discomfort Survey	ErgoDisSurvey	2009.02.24	2009.02.24
50169198	Ergonomics OfficerRisk Factor Chk1st_CB	ErgoRiskFact	2009.02.24	2009.02.24
50169199	BBS Salary Training BV	BBSSLRY	2009.03.06	2009.03.06
50177136	BBS Salary Training BV	BBSSLRY	2009.06.02	2009.06.02
50177136	Access To Exposure/Medical Records _BV	AEHR	2009.07.22	2009.07.22
50150306	Asbestos Awareness_BV	Asbestos Awa	2009.07.22	2009.07.22
50162445	Resource Conservation & Recovery Act -	RCRA	2009.07.29	2009.07.29
50150418	Facility Self Assessment Auditor Trng	FSATrng	2009.09.21	2009.09.21
50201321	Nitrogen Safety US_BV	Nitro. Safe	2009.11.05	2009.11.05
50150403	Resource Conservation & Recovery Act -	RCRA	2009.11.05	2009.11.05
50150418	Spill Prevention Control & Countermea-	SPCC	2009.11.05	2009.11.05
50150419	Safestart Hourly Trng - Session 1	Safestart1	2009.11.05	2009.11.05
50193369	Safestart Hourly - Train The Trainer -	SafestartTTT	2009.11.05	2009.11.05
50193371	Facility Self Assessment Auditor Trng	FSATrng	2009.11.05	2009.11.05
50201321	Safestart Hourly Trng - Session 2	Safestart2	2009.11.05	2009.11.05
50193399	Access To Exposure/Medical Records _BV	AEHR	2009.12.17	2009.12.17
50150306	Asbestos Awareness_BV	Asbestos Awa	2009.12.17	2009.12.17
50162445	Ergonomics, Core Initial (CBT) NO	ErgoCore	2010.03.16	2010.03.16
50075909	Ergonomics, CORE - Refresher CBT_NOVA	ErgoCoreRef	2010.03.16	2010.03.16
60002001	Portable Fire Extinguishers - BV	PRFXT	2010.03.16	2010.03.16
50150350	Hazard Communication US_BV	Hazard Com.	2010.03.16	2010.03.16
50150363	BBS Hourly Training BV	BBSHRLYTRNG	2010.03.16	2010.03.16
50177139	Ergonomics, Industrial (CBT) NO	ErgoInd	2010.03.16	2010.03.16
50103670	Ergonomics, Office (CBT) NOVA	ErgoOff	2010.03.16	2010.03.16
50107144	Spill Prevention Control & Countermea-	SPCC	2010.03.16	2010.03.16
50150419	Blue Flag Procedure_BV	BLUEFLAGPROC	2010.03.16	2010.03.16
50078369	Anti-Harassment Policy	Anti-Harass	2010.03.16	2010.03.16
50096144	Drug & Alcohol for Employees Refresh C	Alcohol & Dr	2010.03.16	2010.03.16
50150308	Portable Air Sampling - BV	PortAirSamp	2010.03.16	2010.03.16
50150314	Confined Space Entry & Hole Watch - BV	ConfSpentry	2010.03.16	2010.03.16
50167030	Anti-Harassment Policy 2003 Update_NOV	Anti_Harass	2010.03.16	2010.03.16
60001732	Performance Styrenics Anti-Harassment	NOPS&H	2010.03.16	2010.03.16
50201321	Facility Self Assessment Auditor Trng	FSATrng	2010.03.16	2010.03.16
50177136	BBS Salary Training BV	BBSSLRY	2010.03.16	2010.03.16
50177136	Hand & Power Tool Safety - BV	HandPwrTool	2010.03.16	2010.03.16
50150356	Hearing Protection - BV	HearProtect	2010.03.16	2010.03.16
50150367	Respiratory Protection US_BV	Respiratory	2010.03.16	2010.03.16
50150407	BBS Salary Training BV	BBSSLRY	2010.03.16	2010.03.16
50177136	Ergonomics Discomfort Survey	ErgoDisSurvey	2010.03.16	2010.03.16
50169198	Ergonomics OfficerRisk Factor Chk1st_CB	ErgoRiskFact	2010.03.16	2010.03.16
50169199	BBS Salary Training BV	BBSSLRY	2010.03.16	2010.03.16
50177136	BBS Salary Training BV	BBSSLRY	2010.03.16	2010.03.16
50177136	Access To Exposure/Medical Records _BV	AEHR	2010.03.16	2010.03.16
50150306	Asbestos Awareness_BV	Asbestos Awa	2010.03.16	2010.03.16
50162445	Resource Conservation & Recovery Act -	RCRA	2010.03.16	2010.03.16
50150418	Facility Self Assessment Auditor Trng	FSATrng	2010.03.16	2010.03.16
50201321	Nitrogen Safety US_BV	Nitro. Safe	2010.03.16	2010.03.16
50150403	Resource Conservation & Recovery Act -	RCRA	2010.03.16	2010.03.16
50150418	Spill Prevention Control & Countermea-	SPCC	2010.03.16	2010.03.16
50150419	Safestart Hourly Trng - Session 1	Safestart1	2010.03.16	2010.03.16
50193369	Safestart Hourly - Train The Trainer -	SafestartTTT	2010.03.16	2010.03.16
50193371	Facility Self Assessment Auditor Trng	FSATrng	2010.03.16	2010.03.16
50201321	Safestart Hourly Trng - Session 2	Safestart2	2010.03.16	2010.03.16
50193399	Access To Exposure/Medical Records _BV	AEHR	2010.03.16	2010.03.16
50150306	Asbestos Awareness_BV	Asbestos Awa	2010.03.16	2010.03.16
50162445	Ergonomics, Core Initial (CBT) NO	ErgoCore	2010.03.16	2010.03.16
50075909	Ergonomics, CORE - Refresher CBT_NOVA	ErgoCoreRef	2010.03.16	2010.03.16
60002001	Portable Fire Extinguishers - BV	PRFXT	2010.03.16	2010.03.16
50150350	Hazard Communication US_BV	Hazard Com.	2010.03.16	2010.03.16
50150363	BBS Hourly Training BV	BBSHRLYTRNG	2010.03.16	2010.03.16
50177139	Ergonomics, Industrial (CBT) NO	ErgoInd	2010.03.16	2010.03.16
50103670	Ergonomics, Office (CBT) NOVA	ErgoOff	2010.03.16	2010.03.16
50107144	Spill Prevention Control & Countermea-	SPCC	2010.03.16	2010.03.16
50150419	Blue Flag Procedure_BV	BLUEFLAGPROC	2010.03.16	2010.03.16
50078369	Anti-Harassment Policy	Anti-Harass	2010.03.16	2010.03.16
50096144	Drug & Alcohol for Employees Refresh C	Alcohol & Dr	2010.03.16	2010.03.16
50150308	Portable Air Sampling - BV	PortAirSamp	2010.03.16	2010.03.16
50150314	Confined Space Entry & Hole Watch - BV	ConfSpentry	2010.03.16	2010.03.16
50167030	Anti-Harassment Policy 2003 Update_NOV	Anti_Harass	2010.03.16	2010.03.16
60001732	Performance Styrenics Anti-Harassment	NOPS&H	2010.03.16	2010.03.16
50201321	Facility Self Assessment Auditor Trng	FSATrng	2010.03.16	2010.03.16
50177136	BBS Salary Training BV	BBSSLRY	2010.03.16	2010.03.16
50177136	Hand & Power Tool Safety - BV	HandPwrTool	2010.03.16	2010.03.16
50150356	Hearing Protection - BV	HearProtect	2010.03.16	2010.03.16
50150367	Respiratory Protection US_BV	Respiratory	2010.03.16	2010.03.16
50150407	BBS Salary Training BV	BBSSLRY	2010.03.16	2010.03.16
50177136	Ergonomics Discomfort Survey	ErgoDisSurvey	2010.03.16	2010.03.16
50169198	Ergonomics OfficerRisk Factor Chk1st_CB	ErgoRiskFact	2010.03.16	2010.03.16
50169199	BBS Salary Training BV	BBSSLRY	2010.03.16	2010.03.16
50177136	BBS Salary Training BV	BBSSLRY	2010.03.16	2010.03.16
50177136	Access To Exposure/Medical Records _BV	AEHR	2010.03.16	2010.03.16
50150306	Asbestos Awareness_BV	Asbestos Awa	2010.03.16	2010.03.16
50162445	Resource Conservation & Recovery Act -	RCRA	2010.03.16	2010.03.16
50150418	Facility Self Assessment Auditor Trng	FSATrng	2010.03.16	2010.03.16
50201321	Nitrogen Safety US_BV	Nitro. Safe	2010.03.16	2010.03.16
50150403	Resource Conservation & Recovery Act -	RCRA	2010.03.16	2010.03.16
50150418	Spill Prevention Control & Countermea-	SPCC	2010.03.16	2010.03.16
50150419	Safestart Hourly Trng - Session 1	Safestart1	2010.03.16	2010.03.16
50193369	Safestart Hourly - Train The Trainer -	SafestartTTT	2010.03.16	2010.03.16
50193371	Facility Self Assessment Auditor Trng	FSATrng	2010.03.16	2010.03.16
50201321	Safestart Hourly Trng - Session 2	Safestart2	2010.03.16	2010.03.16
50193399	Access To Exposure/Medical Records _BV	AEHR	2010.03.16	2010.03.16
50150306	Asbestos Awareness_BV	Asbestos Awa	2010.03.16	2010.03.16
50162445	Ergonomics, Core Initial (CBT) NO	ErgoCore	2010.03.16	2010.03.16
50075909	Ergonomics, CORE - Refresher CBT_NOVA	ErgoCoreRef	2010.03.16	2010.03.16
60002001	Portable Fire Extinguishers - BV	PRFXT	2010.03.16	2010.03.16
50150350	Hazard Communication US_BV	Hazard Com.	2010.03.16	2010.03.16
50150363	BBS Hourly Training BV	BBSHRLYTRNG	2010.03.16	2010.03.16
50177139	Ergonomics, Industrial (CBT) NO	ErgoInd	2010.03.16	2010.03.16
50103670	Ergonomics, Office (CBT) NOVA	ErgoOff	2010.03.16	2010.03.16
50107144	Spill Prevention Control & Countermea-	SPCC	2010.03.16	2010.03.16
50150419	Blue Flag Procedure_BV	BLUEFLAGPROC	2010.03.16	2010.03.16
50078369	Anti-Harassment Policy	Anti-Harass	2010.03.16	2010.03.16
50096144	Drug & Alcohol for Employees Refresh C	Alcohol & Dr	2010.03.16	2010.03.16
50150308	Portable Air Sampling - BV	PortAirSamp	2010.03.16	2010.03.16
50150314	Confined Space Entry & Hole Watch - BV	ConfSpentry	2010.03.16	2010.03.16
50167030	Anti-Harassment Policy 2003 Update_NOV	Anti_Harass	2010.03.16	2010.03.16
60001732	Performance Styrenics Anti-Harassment	NOPS&H	2010.03.16	2010.03.16
50201321	Facility Self Assessment Auditor Trng	FSATrng	2010.03.16	2010.03.16
50177136	BBS Salary Training BV	BBSSLRY	2010.03.16	2010.03.16
50177136	Hand & Power Tool Safety - BV	HandPwrTool	2010.03.16	2010.03.16
50150356	Hearing Protection - BV	HearProtect	2010.03.16	2010.03.16
50150367	Respiratory Protection US_BV	Respiratory	2010.03.16	2010.03.16
50150407	BBS Salary Training BV	BBSSLRY	2010.03.16	2010.03.16
50177136	Ergonomics Discomfort Survey	ErgoDisSurvey	2010.03.16	2010.03.16
50169198	Ergonomics OfficerRisk Factor Chk1st_CB	ErgoRiskFact	2010.03.16	2010.03.16
50169199	BBS Salary Training BV	BBSSLRY	2010.03.16	2010.03.16
50177136	BBS Salary Training BV	BBSSLRY	2010.03.16	2010.03.16
50177136	Access To Exposure/Medical Records _BV	AEHR	2010.03.16	2010.03.16
50150306	Asbestos Awareness_BV	Asbestos Awa	2010.03.16	2010.03.16
50162445	Resource Conservation & Recovery Act -	RCRA	2010.03.16	2010.03.16
50150418	Facility Self Assessment Auditor Trng	FSATrng	2010.03.16	2010.03.16
50201321	Nitrogen Safety US_BV	Nitro. Safe	2010.03.16	2010.03.16
50150403	Resource Conservation & Recovery Act -	RCRA	2010.03.16	2010.03.16
50150418	Spill Prevention Control & Countermea-	SPCC	2010.03.16	2010.03.16
50150419	Safestart Hourly Trng - Session 1	Safestart1	2010.03.16	2010.03.16
50193369	Safestart Hourly - Train The Trainer -	SafestartTTT	2010.03.16	2010.03.16
50193371	Facility Self Assessment Auditor Trng	FSATrng	2010.03.16	2010.03.16
50201321	Safestart Hourly Trng - Session 2	Safestart2	2010.03.16	2010.03.16
50193399	Access To Exposure/Medical Records _BV	AEHR	2010.03.16	2010.03.16
50150306	Asbestos Awareness_BV	Asbestos Awa	2010.03.16	2010.03.16
50162445	Ergonomics, Core Initial (CBT) NO	ErgoCore	2010.03.16	2010.03.16
50075909	Ergonomics, CORE - Refresher CBT_NOVA	ErgoCoreRef	2010.03.16	2010.03.16
60002001	Portable Fire Extinguishers - BV	PRFXT	2010.03.16	2010.03.16
50150350	Hazard Communication US_BV	Hazard Com.	2010.03.16	2010.03.16
50150363	BBS Hourly Training BV	BBSHRLYTRNG	2010.03.16	2010.03.16
50177139	Ergonomics, Industrial (CBT) NO	ErgoInd	2010.03.16	2010.03.16
50103670	Ergonomics, Office (CBT) NOVA	ErgoOff	2010.03.16	2010.03.16
50107144	Spill Prevention Control & Countermea-	SPCC	2010.03.16	2010.03.16
50150419	Blue Flag Procedure_BV	BLUEFLAGPROC	2010.0	

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NOVA Chemicals
Report to list education and courses taken by employees

60001954	Portable Fire Extinguisher Hands-On Tr	BVPFEHO	2010.06.30	2010.06.30
50150306	Access To Exposure/Medical Records _BV	AEHR	2010.09.21	2010.09.21
50150350	Portable Fire Extinguishers _BV	PREXT	2010.09.21	2010.09.21
50162445	Asbestos Awareness BV	Asbestos Awa	2010.09.21	2010.09.21
50192507	Defensive Driving Level 1 CBT	DrivingLCBT	2010.09.23	2010.09.23
60001404	Back Safety: Lift Well, Live Well	BackSafety	2010.09.23	2010.09.23
50169198	Ergonomics Discomfort Survey	ErgDisSurvey	2010.11.08	2010.11.08
50169199	Ergonomics OfficeRisk Factor Chklist CB	ErgoriskFact	2010.11.08	2010.11.08
50150419	Spill Prevention Control & Countermea	SPCC	2010.11.24	2010.11.24
50150348	Fall Protection US_BV	Fall Protect	2010.12.06	2010.12.06
50150418	Resource Conservation & Recovery Act	RCRA	2010.12.06	2010.12.06
50150420	Toxic Substance & Control Act US_BV	TSCA	2010.12.06	2010.12.06
50168933	Records Management Compliance CBT_NOVA	Records	2010.12.06	2010.12.06
50177220	DOT-Hazmat Function Specific_BV	DOTHZTFUNCSP	2010.12.06	2010.12.06
50177898	DOT-HAZMAT General Awareness CBT	DOTHZGenAwar	2010.12.06	2010.12.06
50181620	Forklift Pedestrian Safety CBT	Forklift	2010.12.06	2010.12.06
50183080	DOT-HM 232 SECURITY TRAINING	DOT-HM232	2010.12.06	2010.12.06
60001352	Heat Stress Awareness	HeatStress	2010.12.06	2010.12.06
60001680	Responsible Care Management Systems_BV	BVRCMS	2010.12.06	2010.12.06
60002124	Tank Car Inspection CBT/Practical	Tank Car	2010.12.06	2010.12.06
60002125	Hopper Car Inspection CBT/Practical	Hopper Car	2010.12.06	2010.12.06
60002478	DOT-Marking, Labeling & Placarding	DOT-M,L & P	2010.12.06	2010.12.06
60002479	DOT-Shipping Papers & Exemptions	DOT-SP & Exe	2010.12.06	2010.12.06
50169198	Ergonomics Discomfort Survey	ErgDisSurvey	2010.08.04	2010.08.04
50169199	Ergonomics OfficeRisk Factor Chklist CB	ErgoriskFact	2010.08.04	2010.08.04
50075909	Ergonomics, Core Initial (CBT)	ErgoCore	2010.08.05	2010.08.05
50103670	Ergonomics, Industrial (CBT)	ErgoInd	2010.08.05	2010.08.05
50107144	Ergonomics, Office (CBT) NOVA	ErgoOff	2010.08.05	2010.08.05
50177128	Maritime Security (MARSEC) Training	MARSEC	2010.08.05	2010.08.05
60002001	Ergonomics CORE - Refresher CBT_NOVA	ErgoCoreRef	2010.09.02	2010.09.02
50150350	Portable Fire Extinguishers _BV	BBSFLRY	2010.09.15	2010.09.15
50177136	BBS Salary Training_BV	Alcohol & Dr	2010.10.14	2010.10.14
50096144	Drug & Alcohol for Employees Refresh C	AEHR	2010.10.14	2010.10.14
50150306	Access To Exposure/Medical Records _BV	Hazard Com.	2010.10.14	2010.10.14
50150400	Hazard Communication US_BV	Line Break	2010.10.14	2010.10.14
50150418	Resource Conservation & Recovery Act	RCRA	2010.10.14	2010.10.14
50162445	Asbestos Awareness_BV	Asbestos Awa	2010.10.14	2010.10.14
50177140	Blue Flag Procedure_BV	BVUEFLAGPROC	2010.10.14	2010.10.14
50185300	Ergonomics Off-Ind Train-The-Trainer	Ergo-TTT	2010.10.19	2010.10.19
50150399	Ladder Safety US_BV	Ladder Safe	2010.10.25	2010.10.25
50150419	Spill Prevention Control & Countermea	SPCC	2010.10.25	2010.10.25
50150344	Electrical Safety 1 US_BV	Elec. Safe 1	2010.11.15	2010.11.15
50177136	BBS Salary Training_BV	BBSFLRY	2010.12.15	2010.12.15
50150306	Access To Exposure/Medical Records _BV	AEHR	2010.02.22	2010.02.22
50150350	Portable Fire Extinguishers _BV	PREXT	2010.02.22	2010.02.22
50162445	Asbestos Awareness_BV	Asbestos Awa	2010.03.29	2010.03.29
50150419	Spill Prevention Control & Countermea	SPCC	2010.05.08	2010.05.08
50150356	Ergonomics OfficeRisk Factor Chklist CB	ErgoriskFact	2010.05.31	2010.05.31
50150403	Hand & Power Tool Safety _BV	HandPwrTool	2010.05.31	2010.05.31
50150407	Nitrogen Safety US_BV	Nitro. Safe	2010.05.31	2010.05.31
50177229	Respiratory Protection US_BV	Respiratory	2010.06.12	2010.06.12
50153398	Flammable & Combustible Liquids_BV	FLAMCOMBLIQ	2010.07.10	2010.07.10
50183167	Compressed Gas Cylinders	ComGasCyl	2010.08.07	2010.08.07
50150401	Laboratory Sfty Chemical Hygiene Plan	LabSftyCHP	2010.08.07	2010.08.07
50150418	Lockout/Tagout US_BV	Lock/Tagout	2010.09.17	2010.09.17
50150419	Resource Conservation & Recovery Act	RCRA	2010.09.17	2010.09.17
50150356	Asbestos Awareness_BV	Asbestos Awa	2010.02.25	2010.02.25
50150403	Access To Exposure/Medical Records _BV	AEHR	2013.05.07	2013.05.07

NOVA Chemicals
Report to list education and courses taken by employees

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Report to list education and courses taken by employees

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Employee ID	Course	Start Date	End Date
50150350	Portable Fire Extinguishers - BV	2013.05.07	2013.05.07
50150419	Spill Prevention Control & Countermeasures - NO	2013.05.14	2013.05.14
50169198	Ergonomics Discomfort Survey - CB	2013.05.14	2013.05.14
50169199	Ergonomics Office Risk Factor Checklist - CB	2013.08.07	2013.08.07
50177128	Maritime Security (MARSEC) Training -	2013.08.15	2013.08.15
50150410	Scaffold Safety - NO	2013.08.15	2013.08.15
50192507	Defensive Driving Level 1 CBT - NO	2013.08.20	2013.08.20
60001954	Portable Fire Extinguisher Hands-On Tr	2013.09.16	2013.09.16
50150412	Work Permits US BV	2013.09.17	2013.09.17
50150418	Resource Conservation & Recovery Act -	2013.09.17	2013.09.17
60010127	Safety Management Syst - Employee NOVA	2013.03.06	2013.03.06

Course	Start Date	End Date
PFEExt	2013.05.07	2013.05.07
SPCC	2013.05.14	2013.05.14
ERGDISurvey	2013.05.14	2013.05.14
ERGDISurvey	2013.05.14	2013.05.14
MARSEC	2013.08.07	2013.08.07
MARSEC	2013.08.15	2013.08.15
ScaffoldSfty	2013.08.15	2013.08.15
DrivingLCBT	2013.08.20	2013.08.20
BVPFHO	2013.09.16	2013.09.16
Work Permit	2013.09.17	2013.09.17
RCRA	2013.09.17	2013.09.17
SIS	2013.03.06	2013.03.06

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
FACILITY INSPECTION PROGRAM**

**Wheeling Operations Office
1060 Chapline Street
Wheeling, West Virginia 26003-2995
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Nova Chemicals Inc.
400 Frankfort Road
Monaca, Pennsylvania 15061-2298

Attachment # 10 of 13

Beaver Valley Site Integrated Contingency Plan



NOVA Chemicals

NOVA Chemicals
400 Frankfort Road
Monaca, PA 15061-2298

October 17, 2012

Original

NOVA Chemicals		Beaver Valley Site Integrated Contingency Plan	
TITLE: Table of Contents		BV-ICP-TOC	
	Plan Owner	Plan Approver	
Approved By	Process Safety Engineer	Manufacturing Leader	
Name	Drew Enochs	John Feraco	
Next review date	10/25/13		

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ARCEL Line 1-first floor fire
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D3 Reactor Area Fire - second floor
Spill Matrix – Reportable Quantities

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[D3 Unit Specific Process Safety Information](#)
[D4 Unit Specific Process Safety Information](#)
[D2 Unit Specific Process Safety Information](#)
[EPS Packaging & Warehouse Unit Specific Process Safety Information](#)
[Utilities Unit Specific Process Safety Information](#)
[Liquid Handling Unit Specific Process Safety Information](#)
[Pilot Plant Unit Specific Process Safety Information](#)
[Technology Unit Specific Process Safety Information](#)

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[5.4.01 Business Interruption.doc](#)
[5.4.02 Civil Unrest.doc](#)
[5.4.03 Environmental Emergency.doc](#)
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[5.4.05 Major Process Incident.doc](#)
[5.4.06 Minor Fire.doc](#)
[5.4.07 Multiple Casualty Incident.doc](#)
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[5.4.10 Bomb Threat.doc](#)
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[5.4.17 CSX Rail Transportation Emergency Response Program.pdf](#)
[5.4.18 Nuclear Power Plant Emergency Classification System.doc](#)

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
FACILITY INSPECTION PROGRAM**

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Nova Chemicals Inc.
400 Frankfort Road
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Attachment # 11 of 13

Tom DuPlessis [DUPLEST@novachem.com]
Friday, October 18, 2013 3:53 PM
Kline, James
NOVA Chemicals - USEPA RCRA Inspection Follow Up (Email 1 of 3)
Sign - Sand Blast Grit-Dust, 130929.docx; ATT15039.bin

Subject:
Attachments:

James – the following information is provided to follow up on the RCRA inspection you conducted on September 25-26, 2013. I need to send you multiple emails because the attached pictures would make the file size too large to send or receive if I tried to include them in one email.

NOVA Chemicals Inc.
400 Frankfort Road
Monaca, PA 15061
EPA ID #: PAR 000 023 986

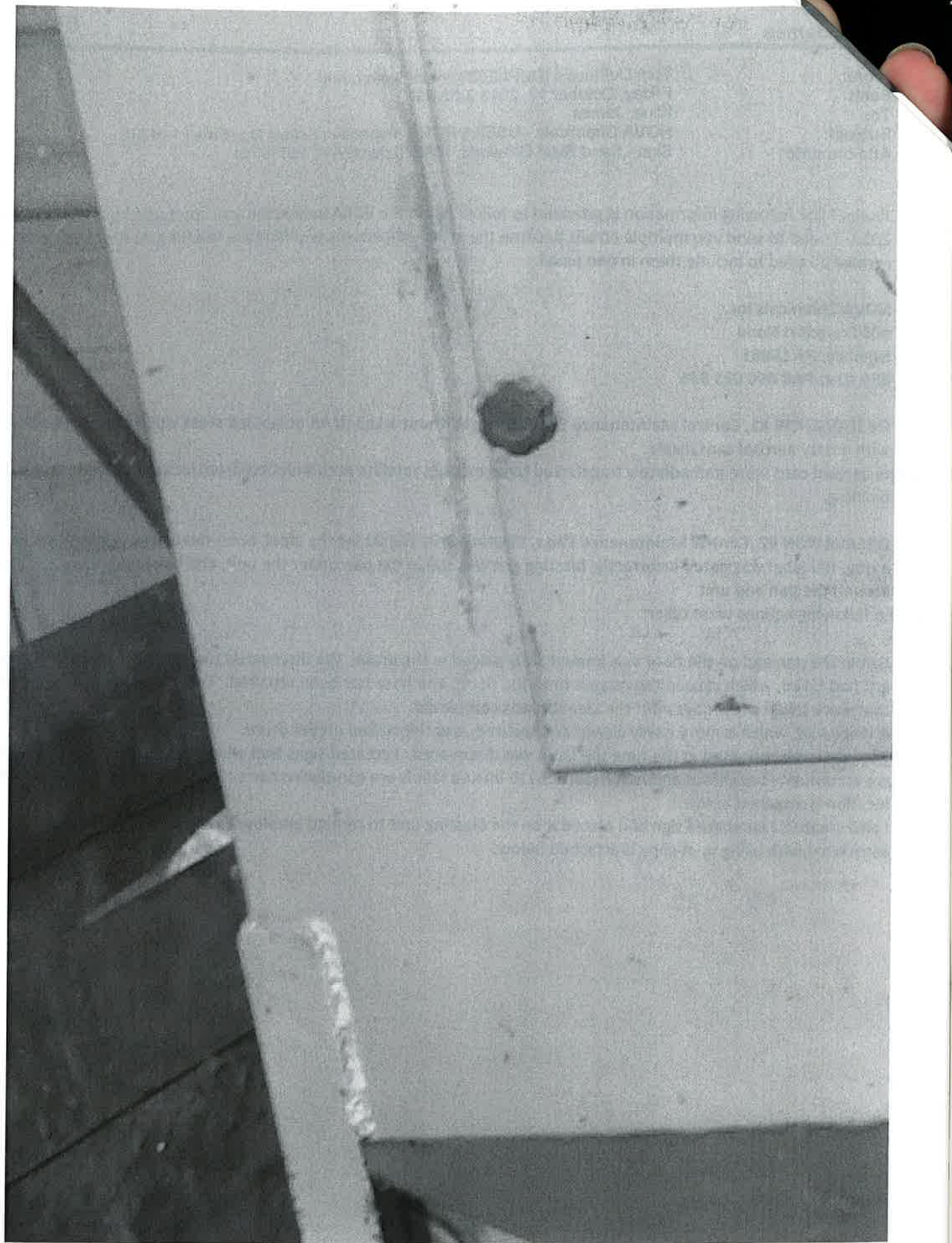
OBSERVATION #1, Central Maintenance Shop, Drum Without a Label: An unlabeled steel, open-head drum was found with empty aerosol cans inside.

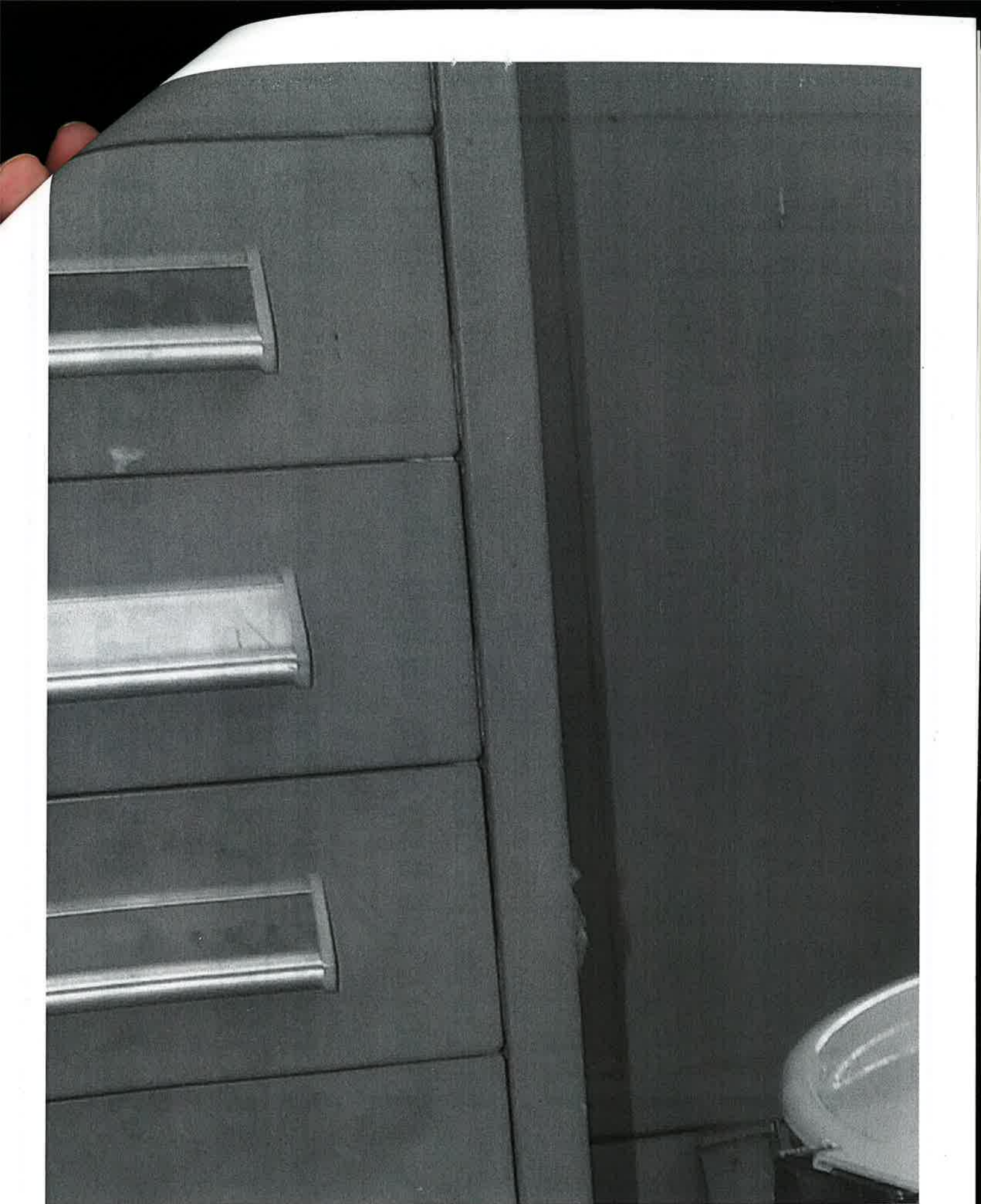
e: The aerosol cans were immediately transferred to an existing satellite accumulation drum located elsewhere in the same building.

OBSERVATION #2, Central Maintenance Shop, Blasting Grit: The lid for the steel, open-head drum was not secured with a ring, the label was dated incorrectly, blasting grit was still in the pan under the unit, and blasting grit was on the floor around the pan and unit.

e: The following actions were taken:

- a. Grit in the pan and on the floor was immediately placed in the drum. We discovered that the hose that circulates the grit had failed, which caused the release onto the floor. The hose has been repaired. Two pictures are attached below that were taken a few days after the cleanup was completed.
- b. A hinged lid, which is more easily closed and secured, was reinstalled on the drum.
- c. The label was corrected at the time the issue was discovered. I created signs that will be placed around the site where we accumulate hazardous and non-hazardous to ensure labels are completed correctly. A copy of the one for this location is attached below.
- d. I also created a laminated sign and placed it on the blasting unit to remind employees about the requirements associated with using it. A copy is attached below.





OBSERVATION #3, Central Maintenance Shop, Open Bucket with Unknown Contents: A bucket was found with
and an unidentified material.

e: I dumped the contents of the bucket into a 5-gallon pail and found that it is soil and rocks. It has been sampled by a third
party laboratory. I am awaiting results.

Additional emails to follow....

Please let me know if you have any questions.

Tom DuPlessis
NOVA Chemicals Inc.
Senior Environmental Engineer
(724) 770-2350
(724) 770-2423 (fax)

SAND BLAST GRIT/DUST

IMPORTANT NOTES:

- **Make sure the hazardous waste drum is labeled.**
- **Empty the pan and sweep up any loose sand and put it in the drum when finished using the unit.**
- **Fully close the drum after adding sand.**
- **Date the label as soon as the drum is full.**
- **Move the full drum to the Haz Pad within three days.**

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
FACILITY INSPECTION PROGRAM**

**Wheeling Operations Office
1060 Chapline Street
Wheeling, West Virginia 26003-2995
(304) 234-0263**

Nova Chemicals Inc.
400 Frankfort Road
Monaca, Pennsylvania 15061-2298

Attachment # 12 of 13

to:
Subject:
Attachments:

Tom DuPlessis [DUPLEST@novachem.com]

Friday, October 18, 2013 3:53 PM

Kline, James

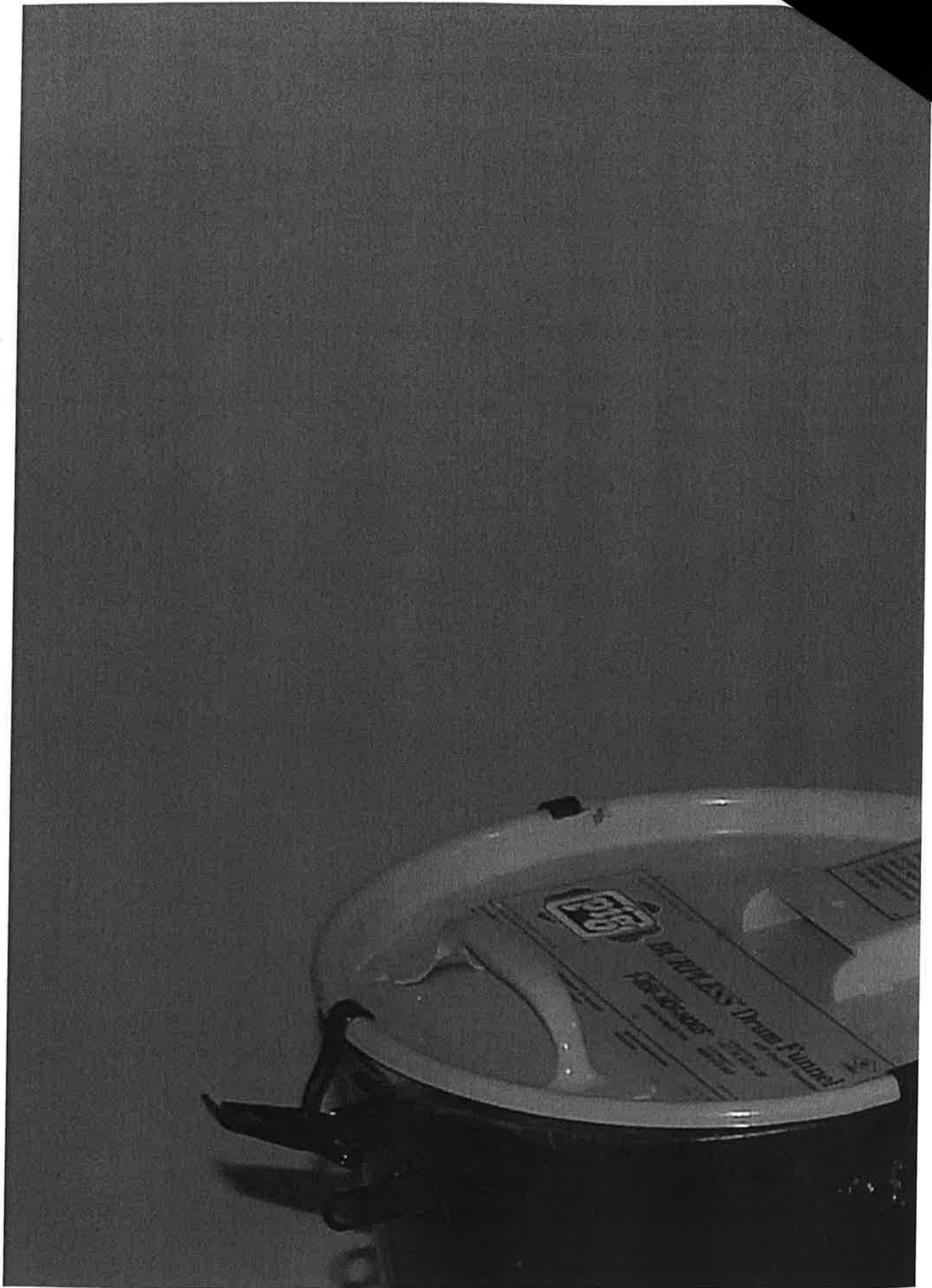
NOVA Chemicals - USEPA RCRA Inspection Follow Up (Email 2 of 3)

Waste Drum Labeling Instructions, 90D - QA, 0700523 (130929).pdf; Waste Drum Labeling Instructions, 90D - QA, 0999138 (130929).pdf; Waste Drum Labeling Instructions, SAA - QA, 0700523 (130929).pdf; EPM-3.2 - Drummed Waste Management (F2, rev 1, Weekly Inspection Checklist).doc; Sign - Universal Waste Lamps, 130929.docx

James – this is the second of three emails:

OBSERVATION #4, QA Lab, Mislabeled Drum: One of three containers in the 90-day accumulation area for the QA Lab was mislabeled.

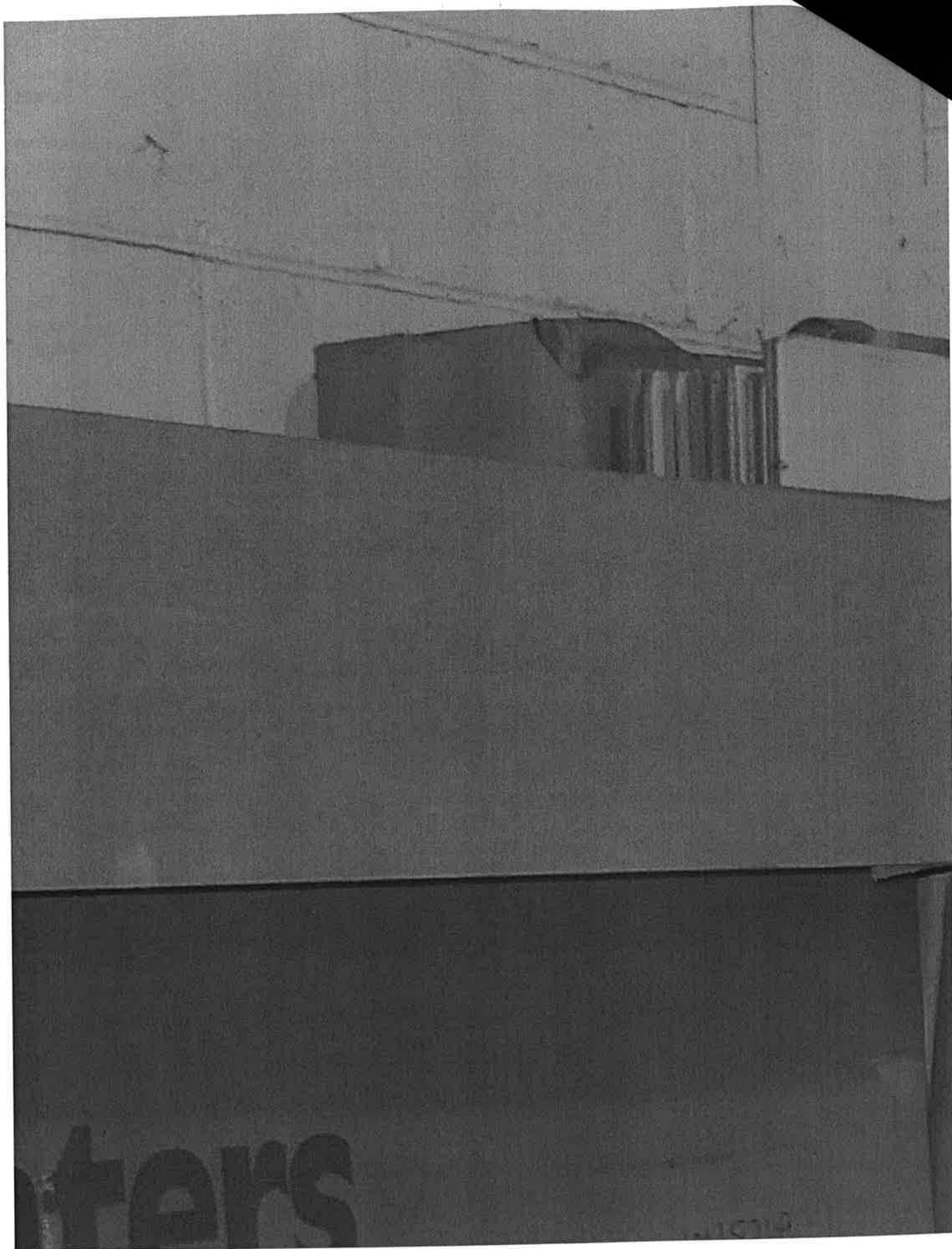
e: The date was immediately added to the label. In addition, laminated signs have been posted on the wall near the drum to provide employees examples of properly completed labels. Copies of the signs for the two profiles routinely stored at this location are attached below.



QA Lab, Open Container in Hood: An open hazardous waste satellite accumulation container was found in one of the three hoods in which hazardous waste is accumulated. The container was immediately closed. The requirements have been reviewed with the lab technicians. A laminated sign that includes instructions for completing the appropriate hazardous waste label have been posted in each hood. A copy of this sign is attached below. In addition, I am working with both our QA and Technology labs to simplify the waste management process and to find the most appropriate containers for accumulating the waste in the hood. I've gotten feedback internally, from our third-party lab, and our hazardous waste vendor and on-line research. We are meeting next week to look at a sample container I recently received and to determine our path forward.

OBSERVATION #6, Universal Waste, Open Fluorescent Tube Box: A partially filled box of fluorescent tubes was found with the end not closed. The box contained a number of green-tipped 4-ft tubes and two u-shaped tubes.

e: The box was immediately taped shut. A copy of a picture showing the box closed is attached below. I met with the electricians to review the inspection findings and to communicate the requirement to keep all containers closed. The problem was largely caused by inadequate procedures. They emphasized taping full boxes, not all boxes. I corrected that in the meeting with electricians and also revised a checklist used to ensure we complete all of our weekly waste inspections. A copy of the revised form is attached below.



storage area for spent Universal Waste lamps so we had access to a shelf. Now, rather than leaning against the wall, we have a shelf that we can use to place an empty box. The box will be kept closed at all times as lamps are being added. Once the box is full, it will be placed on a pallet located below the shelf. Next to the pallet for the boxes for fluorescent lamps is a pallet with two, plastic, open-top, 55-gallon drums. One drum will be used for HID bulbs. The other drum will be used for U-shaped fluorescent lamps. A sign that summarizes the requirements for managing used lamps is now posted where they are accumulated. A copy of this sign is attached below.

One more email to follow.

Let me know if you have any questions.

Tom DuPlessis
NOVA Chemicals Inc.
Senior Environmental Engineer
(724) 770-2350
(724) 770-2423 (fax)

WASTE CONTAINER LABELING INSTRUCTIONS

90-Day Hazardous Waste Accumulation Area

Profile Number: **0700523**

Waste Name: **QA – Lab Solvents (Normal Waste)**

Example Label

HAZARDOUS WASTE

DRUM
NO.

BVR 012345

WASTE NAME: Lab Solvents (Normal Waste)

DESCRIPTION: _____

SOURCE: _____

PROCESS: QA Lab

ACTIVITY: _____

PROFILE: 0700523

ACCUMULATION START DATE: xx/xx/xxxx

FOR FURTHER INFORMATION CALL: Heather Weber, x5506

Write the date on the
label as soon as the
drum is placed here.

ATTACH THIS LABEL TO WASTE DRUM

IMPORTANT NOTES:

1. Do not place empty drums here until they are ready to be used.
2. Write the date on label as soon as the drum is placed at this location.
3. Forward the drum label receipt to Responsible Care so the drum can be tracked.
4. Move the drum to the Haz Pad within three days.

WASTE CONTAINER LABELING INSTRUCTIONS

90-Day Hazardous Waste Accumulation Area

Profile Number: **0999138**

Waste Name: **Multi – Styrene Monomer with Inhibitor**

Example Label

**HAZARDOUS
WASTE**

**DRUM
NO.**

BVR 012345

WASTE NAME: Styrene Monomer with Inhibitor

DESCRIPTION: _____


SOURCE: _____ PROCESS: QA Lab

ACTIVITY: _____

PROFILE: 0999138

ACCUMULATION START DATE: xx/xx/xxxx

FOR FURTHER INFORMATION CALL: Heather Weber, x5506



ATTACH THIS LABEL TO WASTE DRUM

IMPORTANT NOTES:

1. Do not place empty drums here until they are ready to be used.
2. Write the date on label as soon as the drum is placed at this location.
3. Forward the drum label receipt to Responsible Care so the drum can be tracked.
4. Move the drum to the Haz Pad within three days.

WASTE CONTAINER LABELING INSTRUCTIONS

Hazardous Waste Satellite Accumulation

Profile Number: **0700523**

Waste Name: **QA – Lab Solvents (Normal Waste)**

Example Label

HAZARDOUS WASTE

DRUM
NO.

BVR 012345

WASTE NAME: Lab Solvents (Normal Waste)

DESCRIPTION: _____

SOURCE: _____

PROCESS: QA Lab

ACTIVITY: _____

PROFILE: 0700523

ACCUMULATON START DATE: _____

FOR FURTHER INFORMATION CALL: Heather Weber, x5506

Do **NOT** write the
date on the label
UNTIL the container
is full.

ATTACH THIS LABEL TO WASTE DRUM

IMPORTANT NOTES:

1. Forward the drum label receipt to Responsible Care so the drum can be tracked.
2. Write the date on the label as soon as the drum is full.
3. Move the drum to the Haz Pad within three days.

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
FACILITY INSPECTION PROGRAM**

**Wheeling Operations Office
1060 Chapline Street
Wheeling, West Virginia 26003-2995
(304) 234-0263**

Nova Chemicals Inc.
400 Frankfort Road
Monaca, Pennsylvania 15061-2298

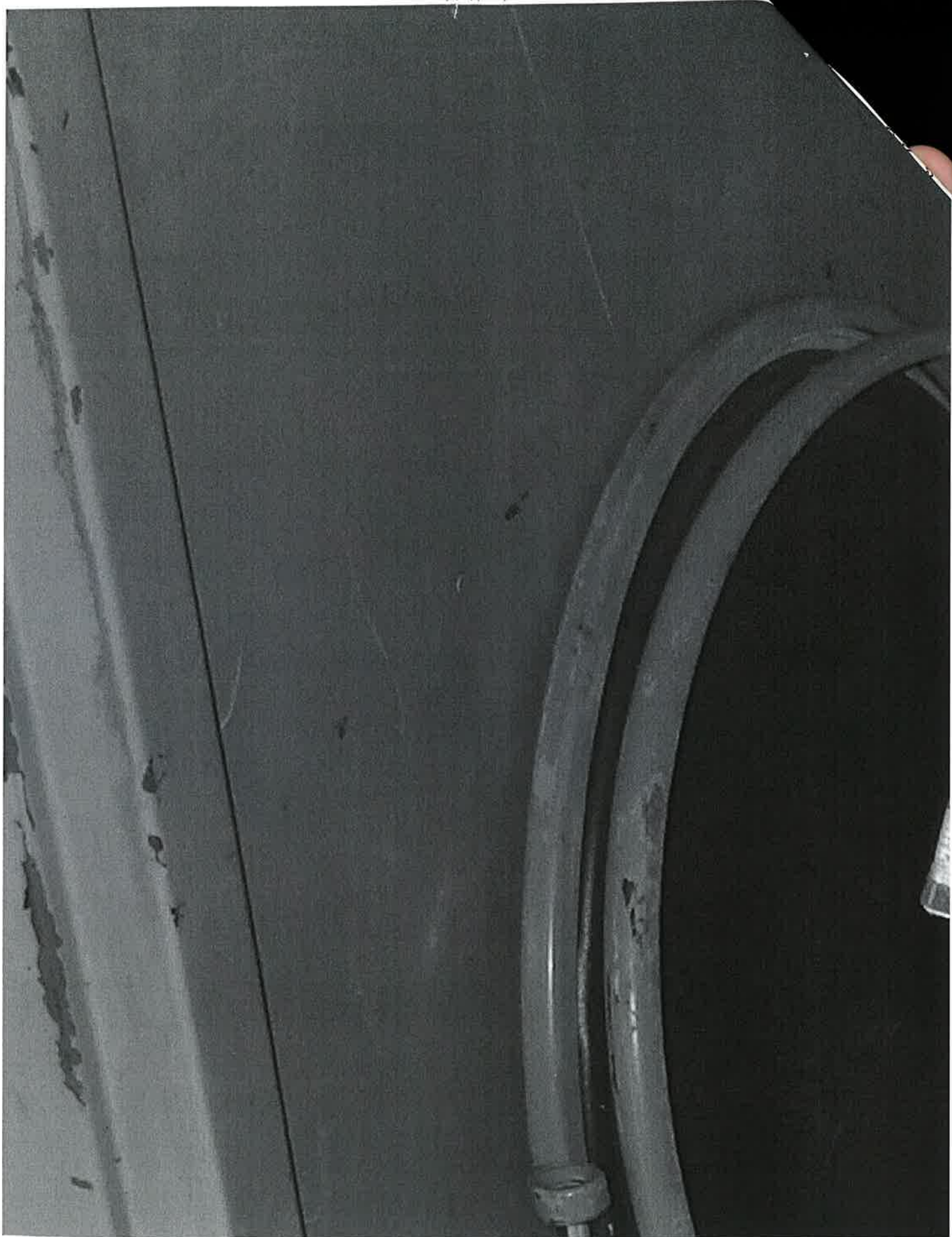
Attachment # 13 of 13

Tom DuPlessis [DUPLEST@novachem.com]
Friday, October 18, 2013 3:53 PM
Kline, James
NOVA Chemicals - USEPA RCRA Inspection Follow Up (Email 3 of 3)
Waste Drum Labeling Instructions, 90D - TECH, 1361848 (130929).pdf

mes – this is the third of three emails.

OBSERVATION #7, Technology, Misabeled Drum: The label on a 10-gallon steel drum stored in a Hazardous Waste Temporary Storage Area (90-day) was not dated.

e: The date has been written on the drum label. Refer to the picture below. This container sat in the 90-day area for some time empty and with an undated label. When waste was finally added to the container on 8/30, we did not update the label with the date. As you will note on the attached sign, to avoid a recurrence, we instruct employees to not place empty containers in the 90-day area until they are ready to be used.



Now if you have any questions or if you need any additional information.

Spessis
Chemicals Inc.
Senior Environmental Engineer
(724) 770-2350
(724) 770-2423 (fax)

WASTE CONTAINER LABELING INSTRUCTIONS

90-Day Hazardous Waste Accumulation Area

Profile Number: **1361848**

Waste Name: **TECH – Waste Flammable Liquids**

Example Label

**HAZARDOUS
WASTE**

**DRUM
NO.**

BVR **012345**

WASTE NAME: Waste Flammable Liquids

DESCRIPTION: _____

SOURCE: _____

PROCESS: _____

Technology

ACTIVITY: _____

PROFILE: 1361848

ACCUMULATION START DATE: xx/xx/xxxx

FOR FURTHER INFORMATION CALL: Rudy Fukas, x4322

Write the date on the
label as soon as the
drum is placed here.

ATTACH THIS LABEL TO WASTE DRUM

IMPORTANT NOTES:

1. Do not place empty drums here until they are ready to be used.
2. Write the date on label as soon as the drum is placed at this location.
3. Forward the drum label receipt to Responsible Care so the drum can be tracked.
4. Move the drum to the Haz Pad within three days.

Jimenez, Jose

From: Kline, James
Sent: Thursday, April 17, 2014 4:47 PM
To: Jimenez, Jose
Subject: FW: NOVA Chemicals - USEPA RCRA Inspection Follow Up (Email 3 of 3)
Attachments: Waste Drum Labeling Instructions, 90D - TECH, 1361848 (130929).pdf

From: Tom DuPlessis [mailto:DUPLEST@novachem.com]
Sent: Friday, October 18, 2013 3:53 PM
To: Kline, James
Subject: NOVA Chemicals - USEPA RCRA Inspection Follow Up (Email 3 of 3)

James – this is the third of three emails.

OBSERVATION #7, Technology, Misabeled Drum: The label on a 10-gallon steel drum stored in a Hazardous Waste Temporary Storage Area (90-day) was not dated.

∴ The date has been written on the drum label. Refer to the picture below. This container sat in the 90-day area for some time empty and with an undated label. When waste was finally added to the container on 8/30, we did not update the label with the date. As you will note on the attached sign, to avoid a recurrence, we instruct employees to not place empty containers in the 90-day area until they are ready to be used.



please let me know if you have any questions or if you need any additional information.

Tom.DuPlessis
NOVA Chemicals Inc.
Senior Environmental Engineer
(724) 770-2350
(724) 770-2423 (fax)

Weekly Inspection Checklist

Prepared By: _____ Date: _____

DATA QA CHECKLIST**HAZ PAD INSPECTION:**

- ☐ All drums on inventory sheet are accounted for.
- ☐ New drums added to the pads have been recorded in the database.
- ☐ All drums are properly labeled and aligned accordingly.
- ☐ All unusual observations have been reported on the inspection sheets.
- ☐ Labels have been moved to the appropriate section in the Black Box.

LAY DOWN AREA INSPECTION:

- ☐ Any new material added to the Lay Down Area has been noted on the inspection form.
- ☐ The capacity of the roll-offs has been recorded.
 - ☐ If full, the contact person for the particular roll-off has been contacted.
 - ☐ If C & D Debris roll-off is full, WM has been called to pick it up.

LAMP AND BATTERY STORAGE INSPECTIONS:

- ☐ Lamp storage area in stores has been inspected.
 - ☐ Labels have been placed on all boxes.
 - ☐ All boxes, drums, and containers are securely closed.
 - ☐ Area is clean and orderly.
- ☐ Spent battery area next to Central Maintenance has been inspected.
 - ☐ Batteries are segregated and labels are in place for all battery types.
 - ☐ Terminals are taped, or otherwise secured.

ATTACHED FOR THE SENIOR ENVIRONMENTAL ENGINEER TO REVIEW:

- ☐ Inspections Sheets:
 - Haz Pad
 - Laydown Area
- ☐ Updated Inventory Sheets (compiled by the database):
 - Haz Pad Inventory
 - In-Plant

SAND BLAST GRIT/DUST

IMPORTANT NOTES:

- **Make sure the hazardous waste drum is labeled.**
- **Empty the pan and sweep up any loose sand and put it in the drum when finished using the unit.**
- **Fully close the drum after adding sand.**
- **Date the label as soon as the drum is full.**
- **Move the full drum to the Haz Pad within three days.**

WASTE CONTAINER LABELING INSTRUCTIONS

Hazardous Waste Satellite Accumulation

Profile Number: **0700523**

Waste Name: **QA – Lab Solvents (Normal Waste)**

Example Label

**HAZARDOUS
WASTE**

**DRUM
NO.**

BVR

012345

WASTE NAME: Lab Solvents (Normal Waste)

DESCRIPTION: _____

SOURCE: _____ PROCESS: QA Lab

ACTIVITY: _____

PROFILE: 0700523

ACCUMULATION START DATE: _____

FOR FURTHER INFORMATION CALL: Heather Weber, x5506

Do **NOT** write the
date on the label
UNTIL the container
is full.

ATTACH THIS LABEL TO WASTE DRUM

IMPORTANT NOTES:

1. Forward the drum label receipt to Responsible Care so the drum can be tracked.
2. Write the date on the label as soon as the drum is full.
3. Move the drum to the Haz Pad within three days.

WASTE CONTAINER LABELING INSTRUCTIONS

90-Day Hazardous Waste Accumulation Area

Profile Number: **0999138**

Waste Name: **Multi – Styrene Monomer with Inhibitor**

Example Label

**HAZARDOUS
WASTE**

**DRUM
NO.**

BVR

012345

WASTE NAME: Styrene Monomer with Inhibitor

DESCRIPTION: _____

SOURCE: _____ PROCESS: QA Lab

ACTIVITY: _____

PROFILE: 0999138

ACCUMULATION START DATE: xx/xx/xxxx

FOR FURTHER INFORMATION CALL: Heather Weber, x5506

Write the date on the label as soon as the drum is placed here.

ATTACH THIS LABEL TO WASTE DRUM

IMPORTANT NOTES:

1. Do not place empty drums here until they are ready to be used.
2. Write the date on label as soon as the drum is placed at this location.
3. Forward the drum label receipt to Responsible Care so the drum can be tracked.
4. Move the drum to the Haz Pad within three days.

WASTE CONTAINER LABELING INSTRUCTIONS

90-Day Hazardous Waste Accumulation Area

Profile Number: **0700523**

Waste Name: **QA – Lab Solvents (Normal Waste)**

Example Label

HAZARDOUS WASTE

DRUM NO.

BVR **012345**

WASTE NAME: Lab Solvents (Normal Waste)

DESCRIPTION: _____

SOURCE: _____

PROCESS: _____

QA Lab

ACTIVITY: _____

PROFILE: 0700523

ACCUMULATION START DATE: xx/xx/xxxx

FOR FURTHER INFORMATION CALL: Heather Weber, x5506

Write the date on the
label as soon as the
drum is placed here.

ATTACH THIS LABEL TO WASTE DRUM

IMPORTANT NOTES:

1. Do not place empty drums here until they are ready to be used.
2. Write the date on label as soon as the drum is placed at this location.
3. Forward the drum label receipt to Responsible Care so the drum can be tracked.
4. Move the drum to the Haz Pad within three days.

WASTE CONTAINER LABELING INSTRUCTIONS

90-Day Hazardous Waste Accumulation Area

Profile Number: **1361848**

Waste Name: **TECH – Waste Flammable Liquids**

Example Label

**HAZARDOUS
WASTE**

**DRUM
NO.**

BVR **012345**

WASTE NAME: Waste Flammable Liquids

DESCRIPTION: _____

SOURCE: _____

PROCESS: Technology

ACTIVITY: _____

PROFILE: 1361848

ACCUMULATION START DATE: xx/xx/xxxx

FOR FURTHER INFORMATION CALL: Rudy Fukas, x4322

Write the date on the
label as soon as the
drum is placed here.

ATTACH THIS LABEL TO WASTE DRUM

IMPORTANT NOTES:

1. Do not place empty drums here until they are ready to be used.
2. Write the date on label as soon as the drum is placed at this location.
3. Forward the drum label receipt to Responsible Care so the drum can be tracked.
4. Move the drum to the Haz Pad within three days.